AFWAL-TR-80-3115

# AERODYNAMIC ANALYSIS OF A FIGHTER AIRCRAFT WITH A HIGHER ORDER PANELING METHOD

A. R. DUSTO

Boeing Military Airplane Company
Advanced Airplane Branch
P.O. Box 3707
Seattle, Washington 98124



NOVEMBER 1980

TECHNICAL REPORT AFWAL-TR-80-3115
Final Report for Period September 1978 - January 1981

Approved for public release; distribution unlimited



FLIGHT DYNAMIC LABORATORY
AIR FORCE WRIGHT AERONAUTICAL LABORATORIES
AIR FORCE SYSTEMS COMMAND
WRIGHT-PATTERSON AIR FORCE BASE, OHIO 45433

## NOTICE

*When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture use, or sell any patented invention that may in any way be related thereto.*

*This report has been reviewed by the Office of Public Affairs (ASD/PA) and is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nations.*

*This technical report has been reviewed and is approved for publication.*

William A. Sotomayor

WILLIAM A. SOTOMAYER
Aerospace Engineer
Aeroelastic Group

Fred A. Picchioni

FREDERICK A. PICCHIONI, Lt Col, USAF
Chief, Analysis & Optimization Branch

*FOR THE COMMANDER*

Ralph L Kuster Jr

RALPH L. KUSTER, JR., COLONEL, USAF
CHIEF, STRUCTURES AND DYNAMICS DIVISION
FLIGHT DYNAMICS LABORATORY

*"If your address has changed, if you wish to be removed from our mailing list, or if the addressee is no longer employed by your organization please notify* AFWAL/FIBRC, *W-PAFB, OH 45433 to help us maintain a current mailing list".*

*Copies of this report should not be returned unless return is required by security considerations, contractual obligations, or notice on a specific document.*

AIR FORCE/56780/24 April 1981 — 160

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered) 12 627

# REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS BEFORE COMPLETING FORM

| | | |
|---|---|---|
| 1. REPORT NUMBER: AFWAL-TR-80-3115 | 2. GOVT ACCESSION NO.: AD-A099 404 | 3. RECIPIENT'S CATALOG NUMBER |
| 4. TITLE (and Subtitle): Aerodynamic Analysis of a Fighter Aircraft with a Higher Order Paneling Method | | 5. TYPE OF REPORT & PERIOD COVERED: Final Report, Sept 1978 - Sept 1980 Jan 81 |
| | | 6. PERFORMING ORG. REPORT NUMBER |
| 7. AUTHOR(s): A. R. Dusto | | 8. CONTRACT OR GRANT NUMBER(s): F33615-77-C-3051 |
| 9. PERFORMING ORGANIZATION NAME AND ADDRESS: Boeing Military Airplane Company, Advanced Airplane Branch, P. O. Box 3707, Seattle, WA 98124 | | 10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS: Project 2404, Task 10, Work Unit 01 |
| 11. CONTROLLING OFFICE NAME AND ADDRESS: Air Force Flight Dynamics Laboratory (FXM), Wright-Patterson Air Force Base, Ohio 45433 | | 12. REPORT DATE: November 1980 |
| | | 13. NUMBER OF PAGES: 625 |
| 14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office): 16 2404 17 10 | | 15. SECURITY CLASS. (of this report): Unclassified |
| | | 15a. DECLASSIFICATION/DOWNGRADING SCHEDULE |

16. DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

DTIC ELECTE MAY 27 1981 S C

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

F-5 Airplane, Helmhotz Equation, Higher Order, Linear Flow, Panel Method, Potential Flow, Unsteady Flow, Wing

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report presents results from analyses of steady and unsteady flows about several configurations involving the wing of the F-5 fighter airplane. The analyses were performed using higher order panel methods and the configurations analyzed included the following: the clean wing (both in an unbounded and in a wind tunnel wall bounded atmosphere), the wing with an external missile store mounted at the wing tip, and the wing with an external missile store mounted on a pylon at the lower surface of the wing. The flow Mach number ranged from 0.6 to 1.35 in steady flow and from 0.6 to 0.95 in unsteady

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

411593

flow. Each steady flow case is analyzed at three angles of attack ($0.5^0$, $0.0^0$, $-0.5^0$) while each unsteady flow case consisted of unsteady pitch oscillation about zero angle of attack. The reduced frequency of the oscillation was in the range from 0.2498 to 0.3955. The computed results include chordwise pressure distributions along wing sections at eight spanwise locations from 18.1 to 97.7 per cent semispan. The results also include the coefficients of lift and pitching moment for each complete configuration as well as the coefficients of aerodynamic force and couple arising from the pressure on only the surface of the missile store.

# FOREWORD

The report was prepared by the Boeing Aerospace Company, Seattle, Washington. The work was sponsored by the Flight Dynamics Laboratory (AFWAL/FIBR) at Wright-Patterson Air Force Base, Ohio. The sponsorship was through contract F33615-77-C-3051 with W. A. Sotomayer as technical monitor.

The report consists of a summary of the aerodyanmic theory used in the steady and unsteady numerical calculations, a presentation of the aerodynamic modeling, and surface pressures and force coefficients.

The principal investigators were Dr. A. Dusto and Dr. M. A. Epton of Boeing. They were assisted by Dr. F. T. Johnson, Dr. E. J. Zeppa, and Dr. P. E. Rubbert of Boeing.

TABLE OF CONTENTS

## LIST OF SYMBOLS

### LATIN

| | |
|---|---|
| $a_o$ | freestream speed of sound, m/sec |
| BET | right hand side of general boundary condition |
| $b_R$ | wing span, m |
| c | coefficient of mass flux normal component in general boundary condition |
| $C_\ell$ | rolling moment coefficient |
| $C_m$ | pitching moment coefficient |
| $C_p$ | $\dfrac{p - p_o}{\frac{1}{2} \rho_o U_o^2}$ pressure coefficient |
| $C_R$ | reference chord length, m |
| $C_Y$ | side force coefficient |
| $C_Z$ | lift force coefficient |
| D | coefficient of velocity potential in general boundary condition |
| $\vec{D}$ | surface point displacement vector, m |
| $\hat{i}, \hat{j}, \hat{k}$ | unit base vectors of reference coordinate system |
| $k = \bar{\omega} C_R/2$ | reduced frequency |
| $M_o$ | Mach number of freestream |
| $\hat{n}$ | unit vector normal to a surface |
| p | pressure, $kg/m^2$ |
| $p_o$ | freestream pressure, $kg/m^2$ |
| $\vec{R}$ | position vector of an arbitrary point, m |
| $\vec{R}_R$ | position vector of a reference point, m |
| S | surface, |
| $S_R$ | reference surface area, $m^2$ |
| $\vec{T}$ | unit vector in an arbitrary direction, also coefficient of the flow velocity in general boundary condition |

| | |
|---|---|
| $U_o$ | freestream velocity, m/sec |
| $\vec{v}$ | disturbance flow velocity, m/sec |
| $\vec{W}$ | flow mass flux vector, kg/m $sec^3$ |
| $\vec{w}$ | disturbance flow mass flux vector, kg/m $sec^3$ |
| x,y,z | coordinates of a point in the reference coordinate system, m |

GREEK

| | |
|---|---|
| $\alpha$ | angle of attack, radians |
| $\alpha_c$ | camber angle of incidence, radians |
| $\alpha_t$ | thickness angle of incidence, radians |
| $\beta \equiv \sqrt{1 - M_0^2}$ | compressibility coefficient |
| $\vec{\nabla}$ | gradient operator, 1/m |
| $\phi$ | disturbance velocity potential, $m^2$/sec |
| $\Phi$ | total velocity potential, $m^2$/sec |
| $\rho$ | fluid mass density, kg/$m^2$ $sec^2$ |
| $\rho_o$ | freestream mass density, kg/$m^2$ $sec^2$ |
| $\vec{\theta} = \frac{1}{2}\vec{\nabla} \times \vec{D}$ | surface rotation, radians |
| $\xi, \eta$ | local coordinates |
| $\sigma$ | source strength |
| $\sigma_o, \sigma_\xi, \sigma_\eta$ | coefficients of Taylor series expansion of $\sigma$ in local panel coordinates |
| $\mu$ | doublet strength |
| $\mu_o, \mu_\xi, \mu_\eta, \mu_{\xi\xi}, \mu_{\xi\eta}, \mu_{\eta\eta}$ | coefficients of Taylor series expansion of $\mu$ in local panel coordinates |
| $\omega$ | circular frequency of oscillation, radians/sec |
| $\bar{\omega} \equiv \omega/U_o$ | reduced frequency relative to unit of length, 1/m |

OPERATORS

| | |
|---|---|
| $(\ )_\ell$ | limiting value of ( ) at a point approaching a surface point from the lower side |
| $(\ )_{max}$ | maximum value of ( ) |
| $(\ )_u$ | limiting value of ( ) at a point approaching a surface point from the upper side |
| $(\ )_x$ | x component of ( ) |
| $(\ )_y$ | y component of ( ) |
| $(\ )_z$ | z component of ( ) |
| $(\ )^*$ | complex amplitude of ( ) |
| $\Delta(\ ) \equiv (\ )_u - (\ )_\ell$ | jump in ( ) across a surface |

## SUMMARY OF FIGURES

# 1. SUMMARY

This report presents results from analyses of steady and unsteady flows about several configurations involving the wing of the F-5 fighter airplane. The analyses were performed using higher order panels methods and the configurations analyzed included the following: the clean wing (both in an unbounded and in a wind tunnel wall bounded atmosphere), the wing with an external missile store mounted at the wing tip, and the wing with an external missile store mounted on a pylon at the lower surface of the wing. The flow Macn number ranged from 0.6 to 1.35 in steady flow and from 0.6 to 0.95 in unsteady flow. Each steady flow case is analyzed at three angles of attack (0.5°, 0.0°, -0.5°) while each unsteady flow case consisted of unsteady pitch oscillation about zero angle of attack.* The reduced frequency of the oscillation was in the range from 0.2498 to 0.3955. The computed results include chordwise pressure distributions along wing sections at eight spanwise locations from 18.1 to 97.7 per cent semispan. The results also include the coefficients of lift and pitching moment for each complete configuration as well as the coefficients of aerodynamic force and couple arising from the pressure on only the surface of the missile store.

* Some clarification here: steady solution was generated from the CAT II pilot code [subsonic, steady] and served as input to the subsonic unsteady pilot code.

# 2. INTRODUCTION

Steady and unsteady flows about the wing of the F-5 fighter airplane have been calculated using the panel methods described by references 1 and 2. Calculations are performed for several configurations. The configurations consist of the clean wing and the wing with several external store arrangements which are described in section 3. The results presented here are to be used as part of a larger study. In that study the F-5 wing configurations will be evaluated by alternative analytical methods as well as by wind tunnel testing. This report presents the results of the panel method analysis in the form of chordwise pressure distributions and in the form of aerodynamic forces and couples evaluated at selected reference points on the configurations. This report does not provide a discussion of the results nor does it draw conclusions; it presents only the computed results and the basis of the computations.

Section 4 contains a description of the analytical method. There is a brief description of the flow theory and the panel method for its evaluation. Those descriptions are not complete, and they are provided only as a point of contact with their complete descriptions appearing in refs. 1 and 2. Section 4 also contains those geometric details of the F-5 wing which are required for the panel method of analysis. Section 5 describes the aerodynamic surface paneling and the boundary conditions used in the computations. Section 6 presents the computed results.

## 3. DESCRIPTION OF THE CONFIGURATIONS EVALUATED

The configurations evaluated consist of the F-5 fighter airplane wing, figure 1*, accompanied by a missile attached to a launcher and mounted in either of two positions: (1) at the wing tip, and (2) suspended from a pylon below the wing surface, figure 2. Figure 3 provides the details of the launcher and of the pylon while figure 4 shows the details of the missile including the planforms of the fins.

The F-5 wing has an airfoil section which is constant with span and which has the upper and lower surface coordinates shown in figure 1. The wing section aft of the 40 percent chord point is symmetric about the wing reference plane. The wing tip has a fairing which increases the wing span by 0.025 meters when the tip launcher is removed. The reference semi-span of the wing, which is 0.6226 meters, does not include the tip fairing. The reference wing area is 0.2604 square meters.

Figure 2 shows the locations of three strain gage balances, which were used in wind tunnel tests to measure the aerodynamic force and couple acting on the launcher and the missile. Figure 2 also shows the coordinate system which is used as the reference frame for the computations. The origin of this system is seen to be located at the apex of the wing; and the position of the missile, in each of its two positions, is described in figure 2 by identifying the coordinates of the missile forebody nose relative to the wing apex.

The dimensions shown on figures 1 through 4 are the dimensions of a wind tunnel model of the F-5 wing. The model was tested in a wind tunnel having a rectangular test section whose dimensions relative to the model are shown by figure 5.

---

* Figures are located on pages 34 thru 584.

## 4. ANALYTICAL METHOD

### 4.1 PROBLEM FORMULATION

The theoretical model used in the calculations is based on the assumptions that both the steady and unsteady flows are small disturbance flows, references 1 and 2. Thus, a steady component of flow is approximated by a potential, $\phi$, satisfying the following flow equation:

$$\beta^2 \phi_{xx} + \phi_{yy} + \phi_{zz} = 0; \tag{1}$$

while an unsteady component of flow is approximated by a complex potential amplitude, $\phi^*$, satisfying the following flow equation:

$$\beta^2 \phi^*_{xx} + \phi^*_{yy} + \phi^*_{zz} - 2\bar{\omega} M_0^2 \phi^*_x i + (\bar{\omega}^2) M_0^2 \phi^* = 0 \tag{2}$$

where

$$\beta^2 = 1-M_0^2, \tag{3}$$

$M_0$ = freestream Mach number,

$$\bar{\omega} = \omega/U_0, \tag{4}$$

$U_0$ = freestream velocity magnitude, and

$\omega$ = circular frequency of the unsteady flow component.

The steady flow boundary condition at aerodynamic surfaces, reference 1, is given by

$$\vec{W} \cdot \hat{n} = 0 \tag{5}$$

where $\vec{W}$ is the first order approximation to the steady mass flux vector given by the following expression (which may be developed from the linearized Bernoulli equation in steady-state form plus a first order perturbation of the density*);

$$\vec{W} = \rho_o \left[ (U_o + \beta^2 \phi_x) \hat{i} + \phi_y \hat{j} + \phi_z \hat{k} \right], \qquad (6)$$

and $\hat{n}$ is a unit vector normal to the surface. The disturbance pressure and the aerodynamic forces are computed assuming that the pressure coefficient is related to the velocity potential by the following second order equation:

$$C_p = -(\frac{1}{U_o})2 \left[ 2U_o \phi_x + \vec{\nabla}\phi \cdot \vec{\nabla}\phi - M_o^2 (\phi_x^2) \right] \qquad (7)$$

where $\vec{v} = \vec{\nabla}\phi$ represents the steady disturbance velocity.

In the case of oscillatory unsteady flow, the total velocity potential is given by

$$\Phi = U_o x + \phi + R(\phi^* e^{i\omega t}) \qquad (8)$$

where R( ) denotes the real part, $\phi$ denotes the mean steady flow perturbation potential, and $\phi^*$ denotes the complex amplitude of the unsteady perturbation velocity potential which must satisfy eqn. (2). The aerodynamic surface boundary condition for the unsteady component of flow, reference 2, is given by

$$\vec{w}^* \cdot \hat{n} = - \vec{W} \cdot (\vec{\theta}^* \times \hat{n}) + \rho U_o \bar{\omega} \vec{D}^* \cdot \hat{n} \, i \qquad (9)$$

where

$$\vec{w}^* = \rho_o \left( \vec{\nabla}\phi^* - M_o^2 (i\bar{\omega}\phi^* + \phi_x^*) \hat{i} \right) \qquad (10)$$

* See reference 3 for pertinent background information

= complex amplitude of the unsteady disturbance mass flux vector,

$\rho_o$ = freestream fluid mass density,

$\vec{D}^*$ = complex amplitude of the unsteady displacement of the aerodynamic surface,

$$\vec{\theta}^* = 1/2\ \vec{\nabla} \times \vec{D}^* \tag{11}$$

= first order approximation to the complex amplitude of unsteady surface rotation, and

$$\rho = \rho_o\ (1 - \frac{M_o}{U_o}\ \phi_x) \tag{12}$$

= fluid mass density in the steady component of flow

In the numerical implementation, equation 9 was imposed directly on the wing, launcher pylon, and missile fins. On the thick missile body it was imposed indirectly by requiring that the perturbation potential remain zero inside the missile body, combined with the imposition of an oscillatory amplitude of the surface source strength so as to create the conditions required by equation 9 on the exterior surface of the missile body.

The unsteady pressure coefficient is shown by reference 2 to have a complex amplitude related linearly to the complex amplitude of the unsteady velocity potential. The relationship is as follows:

$$C_p^* = -\frac{2}{U_o}\ [\, i\bar{\omega}\ \rho\phi^*/\rho_o + (\vec{W}/\rho_o U_o)\ .\vec{\nabla}\phi^*] \tag{13}$$

This expression was used to evaluate the pressure at the surface of the missile body. At all other surfaces (namely, those of the wing, the launcher, the pylon, and the missile fins) the unsteady pressure coefficient was evaluated using the following expression:

$$C_p^* = -\frac{2}{U_0}(i\bar{\omega}\,\phi^* + \phi_x^*) \tag{14}$$

The boundary conditions at the aerodynamic surfaces are approximated by truncated Taylor series expansions. In the case of the missile body, the expansion is about the mean steady location of the surface, Appendix B of ref. 2; while, in the case of all other surfaces, the expansion is about a reference surface which is either planar or cylindrical and which is generated by a straight line parallel to the freestream direction. In the case of these other surfaces, the unsteady flow boundary condition, shown as eqn. (9), reduces to the following expression evaluated at the reference surface:

$$\vec{w}^* \cdot \hat{n} = -\rho_0 \, [\vec{U}_0 \cdot (\vec{\theta}^* \times \hat{n}) - U_0 \, \bar{\omega} \, \vec{D}^* \cdot \hat{n} \, i] \tag{15}$$

where $\hat{n}$ is a unit vector normal to the reference surface. Similarly, the boundary condition associated with the mean steady component of flow is expressed by eqn. (5) linearized in the conventional manner about a mean wing plane.

For the case of pitch oscillation the complex amplitude of unsteady surface displacement at any point (x,z) on the surface is given by

$$\vec{D}^* = \theta_0 \, [(z - z_0) \, \hat{i} - (x - x_0) \, \hat{k}] \tag{16}$$

where $\theta_0$ is the maximum angle of the pitching motion, $(x_0, z_0)$ is the location of the pitch axis, and where $\hat{i}$, $\hat{j}$, $\hat{k}$ represent the unit base vectors of the coordinate system. The pitch rate, Q, is given by

$$Q = iw \, \theta_0 \, R \, (e^{iwt}) \tag{17}$$

where R( ) denotes the real part. The surface rotation shown by eqn. (11) is computed from eqn. (16) to find

$$\theta^* = \theta_0 \, \hat{j}. \tag{18}$$

At all surfaces except the missile body surface, the vector $\hat{n}$, normal to the reference surface is such that

$$\hat{n} \cdot \hat{i} = 0;$$

hence, using this result and substituting eqs. (16) and (18) into eqn. (15), the boundary condition is found to be as follows:

$$\vec{w}^* \cdot \hat{n} = - \rho_0 \, U_0 \, \theta_0 \, n_z \, [1 + i\bar{\omega} \, (x - x_0)] \tag{19}$$

where this expression is evaluated at the reference surfaces of the configuration components.

The boundary conditions associated with the mean steady flow satisfy eq. (5) on the missile body, and they are linearized in the conventional manner for all other surfaces.

## 4.2 NUMERICAL METHOD

The numerical method used is the higher order panel method of ref. 1 and 2 wherein the velocity potential is expressed in terms of sources and doublets distributed over the aerodynamic surfaces. The aerodynamic surfaces are subdivided into small panels. On each panel the strength of the source distribution is a linear function of the coordinates of a point on the panel, i.e.,

$$\sigma(Q) = \sigma_o + \sigma_\xi \xi + \sigma_\eta \eta \tag{20a}$$

where $\xi$, $\eta$ are the coordinates of the point Q lying on the panel. Similarly, the strength of the doublet distribution on each panel is a quadratic function of the panel surface coordinates, i.e.,

$$\mu(Q) = \mu_o + \mu_\xi \xi + \mu_\eta \eta + \frac{1}{2}\mu_{\xi\xi}\xi^2 + \mu_{\xi\eta}\xi\eta + \frac{1}{2}\mu_{\eta\eta}\eta^2 \tag{20b}$$

Equations (20a) and (21b) describe the strength distribution of steady sources and doublets. Completely analogous expressions describe the complex amplitudes of the strength distributions of unsteady sources and doublets, namely:

$$\sigma^*(Q) = \sigma_o^* + \sigma_\xi^* \xi + \sigma_\eta^* \eta \tag{21a}$$

$$\mu^*(Q) = \mu_o^* + \mu_\xi^* \xi + \mu_\eta^* \eta + \frac{1}{2}\mu_{\xi\xi}^* \xi^2 + \mu_{\xi\eta}^* \xi\eta + \frac{1}{2}\mu_{\eta\eta}^* \eta^2 \tag{21b}$$

The source and doublet distribution coefficients in the right-hand members of eqns. (20) and (21) are related by a least squares method to the source and doublet strength at control points, references 1 and 2. The control points are located at panel centers and at the edge of a panel which forms part of the edge of a network, references 1 and 2.

## 5. PANEL METHOD MODEL

### 5.1 SURFACE PANELING

Figures 6 through 15 show the wing with two cases of external missile store: (1) mounted at the wing tip, and (2) mounted at the under wing pylon.

In both cases the wing paneling is coincident with the wing reference plane shown in figure 1. The launcher, when tip mounted, lies in the wing reference plane; and, when the launcher is under wing mounted, the launcher and pylon lie in a plane parallel with the freestream direction and normal to the wing reference plane. The missile body is a body of revolution whose generator, when the wing is at zero angle of attack, is parallel with the freestream. The missile fins are infinitesimally thin, planar surfaces intersecting the missile body at body generators at azimuth angles which are ninety degrees apart around the missile body.

Figure 16 shows the wing paneling consisting of thirteen panels in the chordwise direction and thirteen panels in the spanwise direction. The location of the edges of the panels in the chordwise direction relative to the wing leading edge are given by the following formula:

$$\xi_M = 0.5c\ [1- \cos\ (\pi S_M)] \qquad (22)$$

where c is the local chord length and

$$S_M = (M-1)/(MMAX-1) \qquad (23)$$

where

$M = 1,2,3...,MMAX$

$MMAX = 11.$

Three additional panel edges are introduced to provide panel edges intersecting the pylon at its ends and providing the panel density (in the region of the pylon) necessary to represent the pylon induced interference flow. The panel edges are located at the streamwise locations shown in Table 1*.

---

* Tables are located on pages 23 thru 32.

The spanwise locations of the panel edges are computed using the following equation:

$$\eta_N = b \sin (S_N \pi/2) \tag{24}$$

where b is the span of the wing shown in figure 1 including the tip fairing (viz., b = 0.6476 meters) and

$$S_N = (N-1)/(NMAX-1) \tag{25}$$

for

$$N = 1,2,3...,NMAX$$
$$NMAX = 11.$$

Three additional spanwise edges are inserted to accommodate the intersection of the underwing pylon and the tip launcher. This leads to panel edges at the locations shown in Table 2.

where $c_R$ (= 0.6396 meters) denotes the wing root chord length, figure 1.

Wake surfaces trail downstream from each of the following surfaces: the wing, the pylon, the launcher, the aft end of the missile body, and each of the missile fins. In all cases the wake surface is a cylindrical surface whose generator is parallel with the freestream. These surfaces are paneled such that the panel spacing in the freestream direction is equal to one-sixteenth of the wave length of the doublet strength harmonic variation along the wake surface. The doublet strength varies as follows (ref. 2, eqn. (5.28)):

$$\mu^*(x,s) = \mu^*(c,s)[\cos(\omega(x-c)) + i \sin(\omega(x-c))] \tag{26}$$

where $\mu^*(c,s)$ is the doublet strength at the trailing edge of the surface from whence the wake emanates and $(x-c)$ is the distance downstream from the trailing edge. The wave length of the harmonic variation is

$$L_\mu = 2\pi/\omega;$$

hence, the streamwise panel spacing is chosen as

$$2\pi/(16\omega)$$

This panel spacing is chosen so that the quadratic distribution of doublet strength on each panel, eqn. (21), will accurately approximate the harmonic variation shown by eqn. (26). Each wake surface extends downstream 7.5 root-chord lengths.

The wind tunnel walls shown by figure 5 are represented by panel networks extending from $x = -3.0$ to $x = 5.0$; thus, the tunnel walls extend 1.5 root-chord lengths upstream and downstream of wing. The tunnel walls are treated as solid and a wake surface extends downstream from each wall. The tunnel is modeled like a ring-wing having zero incidence to the undisturbed freestream.

## 5.2 STEADY FLOW BOUNDARY CONDITIONS

As noted in the preceeding, the configurations are constructed from six types of components: (1) the wing, (2) pylon, (3) launcher, (4) missile body, (5) aft fins, and (6) forward fins. All of these components, except the missile body, are approximated by thin-wing theory, cf., chapter 5 of reference 4; thus, their aerodynamic surface boundary conditions are expressed in terms of a truncated Taylor series expansion about mean, defining surfaces. Equation (5) becomes

$$\frac{1}{\rho_o U_o}\vec{w}\cdot\hat{n} = -n_x \tag{27}$$

where:

$$\frac{\vec{w}}{\rho_o} = \beta^2\phi_x\hat{i} + \phi_y\hat{j} + \phi_z\hat{k} \quad = \text{perturbation mass flux vector} \tag{28}$$

$\hat{n}$ is a unit vector normal to the mean surface of definition; and $n_x$ is the x-axis component of the actual, aerodynamic surface normal. Letting $\alpha$ represent angle of attack in radians and letting the airfoil surface be decomposed into camber plus thickness, so that $(\pi/2 - \alpha - \alpha_c \mp \alpha_t)$ approximates the angle between the aerodynamic surface normal and the x axis, eqn. (27) becomes

$$\frac{1}{\rho_o U_o}\vec{w}\cdot\hat{n} = -\cos\left(\pi/2 - \alpha - \alpha_c \mp \alpha_t\right) \approx -\alpha - \alpha_c \mp \alpha_t \tag{29}$$

where

$$\vec{w} = \vec{W} - \rho_o U_o\hat{i}$$

and where the plus and minus sign before $\alpha_t$ is a result of the symmetry of the thickness shape relative to the mean defining surface. Letting the strength of the source distribution at the mean, defining surface be given by (p. 129 of ref. 4)

$$\frac{\sigma}{U_o} = -2\alpha_t \tag{30}$$

eqn. (29) reduces to eqn. (30) plus the following:

$$\frac{1}{\rho_o U_o}\vec{w}\cdot\hat{n} = -\alpha - \alpha_c \tag{31}$$

which is the boundary condition which must be satisfied at the mean, defining surfaces.

The wing, the pylon, and the launcher were treated as having thickness using eqn. (30) but the thickness of the missile fins was completely ignored. For the wing the thickness and camber are computed from the airfoil data shown on figure 1. The wing boundary conditions, shown by eqns. (30) and (31), are applied at control points located on the wing planform edges and at the centers of the panels shown by figure 16. The values of the camber and thickness slope angles at control points along a typical chordwise wing section are shown in Table 3, where $\xi_M$ is the distance from the wing leading edge to the Mth control point and C is the chord. Neither the pylon nor launcher have camber but they have the thickness shapes shown in figure 3.

At the missile body surface at points indefinitely near the surface but exterior to the missile body the flow incidence is,

$$- \vec{U}_0 \cdot \hat{n}$$

where $\vec{U}_0$ is the freestream velocity vector, is set equal to the strength of sources distributed on the missile surface, i.e.,

$$\sigma = - \vec{U}_0 \cdot \hat{n} \tag{32}$$

At points indefinitely near the surface but interior to the missile body the disturbance velocity potential is set to zero by imposing a Dirichlet boundary condition. As a result of satisfying these two requirements, the boundary condition shown in eqn. (5) is satisfied at the surface of the missile body and the flow interior to the body is the undisturbed freestream.

As shown by ref. 5, section 1.3, the general form of the boundary condition, which can be applied at a control point of the panel method, is given by the following equation:

$$C_u (\vec{\bar{w}}_u \cdot \hat{n}) + \vec{T}_u \cdot \vec{v}_u + D_u\phi_u + C_\ell (\bar{w}_\ell \cdot \hat{n}) + \vec{T}_\ell \cdot \vec{v}_\ell + D_\ell\phi_\ell = BET \qquad (33)$$

where $\vec{w}$, $\vec{v}$, $\phi$, respectively, represent the mean steady values of the disturbance mass flux, velocity, and potential. The subscripts u and $\ell$, respectively, imply evaluation at the upper and lower sides of a surface when the upper side is the side where $\hat{n}$ is positive. The coefficients $C_u$, $C_\ell$, $\vec{T}_u$, $\vec{T}_\ell$, $D_\ell$, and $D_u$ as well as the value of BET are specified by the user of the panel method computer program. The values of these quantities are specified by exercising the options listed in tables 2.2 and 2.3 of ref. 5. The option choice and the types of networks (ref. 5, section 2.4) chosen for each configuration component are shown in Table 4.

The option NROPT2=1 indicates that the value of BET, appearing in eqn. (33) for the second boundary condition is supplied by the subroutine called INPUT. The values supplied were as follows:

$$BET = \alpha_c - \alpha(IACASE) \qquad \text{for } IACASE = 1,2,3 \qquad (34)$$

where

$$\alpha(1) = 0.0^o$$

$$\alpha(2) = -0.5^o$$

$$\alpha(3) = 0.5^o$$

The values of $\alpha_c$ (i.e., the camber surface slopes) are given by table 3. Similarly, NROPT1=1 indicates that the value of BET for the first boundary condition is supplied by INPUT. The values supplied were

$$BET = 2.0\alpha_t$$

where the values of $\alpha_t$ are given by table 3. The option NROPT2=5 indicates that the value of BET for the second boundary condition is computed in subroutine CBET. Subroutine CBET performs the following computation:

$$BET = -n_x \cos\alpha(IACASE) - n_z \sin\alpha(IACASE) \qquad (35)$$

$$\text{for } IACASE = 1,2,3$$

where $n_x$ and $n_z$ are the x and z axis components of the unit vector normal to the surface.

## 5.3 UNSTEADY FLOW BOUNDARY CONDITIONS

Equations (9) and (15) show the unsteady flow boundary conditions used. Eqn. (9) is applied for control points at the missile body surface while eqn. (15) is applied at the mean, defining surfaces of all other components. The surface displacement $\vec{D}^*$ and rotation $\vec{\theta}^*$ for the case of pitch oscillation are shown by eqn. (16) and (18). Eqn. (19) shows the result of substituting these expressions into eqn. (15); eqn. (19), therefore, represents the boundary condition which is applied everywhere except at the missile body surface. Substituting eqns. (16) and (18) into eqn. (9) yields

$$\vec{w}^* n = - \rho_0 \left[(U_0 + \beta^2 \phi_x) n_z - \phi_z n_x\right] - i\left(1 - \frac{M_0^2}{U_0} \phi_x\right) \bar{\omega} \left[(z - z_0) n_x - (x - x_0) n_z\right] \theta_0 \qquad (36)$$

This expression describes the boundary condition applied at control points on the missile body surface; hence, $\phi_x$ and $\phi_z$ represent derivatives of the mean steady flow potential evaluated at those control points.

The general form of the boundary condition in unsteady flow has the same form as (33) except that BET, $\vec{w}$, $\vec{v}$, and $\phi$ are all complex. The choice of network type and the boundary condition option used to determine the coefficients of the unsteady flow form of eqn. (33) for each configuration component are shown in Table 5. The option implied by NROPT1 and NROPT2 is that the real and imaginary parts of complex BET, see eqn. (33), are supplied by subroutine CBET. If the control point is on the missile body surface,

subroutine CBET sets BET equal to the right-hand side of eqn. (36) evaluated at the control point. If the control point is at any other surface, BET is set equal to the right-hand side of eqn. (19). The unsteady flow boundary condition applied to the missile base is indential to the base boundary condition in steady flow, where it correctly produces a Kutta condition off the aft end of the missile body. Analysis of the unsteady results shows that we did not achieve a Kutta condition in unsteady flow and upon reflection we now believe that a different base boundary condition is required in unsteady flow. Unfortunately we have not had time to derive and implement such a boundary condition.

## 6. COMPUTED RESULTS

Seven configurations were evaluated; they are listed in Table 6.

Each configuration was evaluated at three steady angles of attack (viz., 0.0°, 0.5°, and -0.5°) measured from the wing reference plane, figure 1. Each configuration was also evaluated at unsteady pitch oscillation about a spanwise axis at 50 percent of the root chord, figure 9. The maximum amplitude of pitch is

$$\theta_{max} = 0.00199 \text{ radians} \tag{38}$$

and the frequency of the oscillations is 40 Hz. so that

$$\omega = 80\ \pi \text{ radians/second} \tag{39}$$

Also, the freestream velocity is given by

$$U_o = M_o\ a_o \tag{40}$$

where

$$a_o = 338.7 \text{ meters/second} \tag{41}$$

is the freestream speed of sound so that the reduced frequency of the pitch oscillation is

$$\kappa = .2373/M_0 \tag{42}$$

where the characteristic length has been chosen to be one-half of the wing root chord.

The Mach numbers at which the configurations were evaluated are as shown in Table 7.

## 6.1 AERODYNAMIC SURFACE PRESSURE DISTRIBUTIONS

The aerodynamic surface pressure coefficient (both steady and unsteady) was evaluated along chordwise lines at the eight spanwise stations shown in figure 17. As indicated by figure 17 these eight chordwise sections are the locations where pressure orifices were positioned for wind-tunnel tests of the wing. The upper and lower surface pressure coefficients ($C_{p_u}$ and $C_{p_\ell}$) were evaluated using eqns. (7) and (13). The lifting pressure coefficient namely;

$$\Delta C_p = C_{p_u} - C_{p_\ell} \tag{43}$$

is also evaluated. In the case of unsteady flow the real and imaginary parts of the pressure coefficient complex amplitude were normalized by the maximum amplitude of the pitch oscillation; thus,

$$C_p^*/\theta_{max}$$

is computed as a basis for evaluating the unsteady pressure coefficient correspo nding to a unit (i.e., one radian) amplitude of pitch oscillation.

The paneled geometry used for case 1 is displayed in figure 18. The steady flow pressure distributions for this case are shown in figures 19-210 and the unsteady flow pressure distributions are shown in figures 211-274. The paneled geometry used for case 2 is displayed in figure 275. The steady flow pressure distributions for this case are shown in figures 276-323 and the unsteady flow pressure distributions are shown in figures 324-355. The paneled geometry used for case 3 is displayed in figure 356. The steady flow pressure distributions for this case are shown in figures 357-380 and the unsteady flow pressure distributions are shown in figures 381-396. The paneled geometry used for case 4 is displayed in figure 397. The steady flow pressure distributions for this case are shown in figures 398-421 and the unsteady flow pressure distributions are shown in figures 422-437. The paneled geometry for case 5 is displayed in figure 438. The steady flow pressure distributions for this case are shown in figures 439-462 and the unsteady flow pressure distributions are shown in figures 463-478. The paneled geometry for case 6 is displayed in figure 479. The steady flow pressure distributions for this case are shown in figures 480-503. The unsteady flow pressure distributions are shown in figures 504-519. The paneled geometry for case 7 is displayed in figure 520. The steady flow pressure distributions for this case are shown in figures 521-568. The unsteady flow pressure distributions are shown in figures 569-584.

The points shown graphically and tabularly on figures 18-584 are a result of a linear interpolation of the data computed by the panel methods. The panel methods compute the values of the pressure coefficient at the centers of the wing panels shown by figure 16. The spanwise locations of the panel centers do not coincide with the spanwise locations of the pressure orifices shown by figure 17. The values shown in figures 18-584 are the result of linear interpolation between the panel method values at the panel centers at

either side of the wing section where the pressure is evaluated in these figures.

## 6.2 MISSILE STORE AERODYNAMIC FORCE AND MOMENT

Tables 8-11 contain the steady and unsteady aerodynamic force and moment coefficients which evaluate the airloads on each configuration and on the missile stores at the centers of balance locations shown on figure 2. The coefficients are computed from the following formulas:

$$C_y = \frac{1}{S_R} \iint_S C_p \, \hat{n} \cdot \hat{j} \, ds \qquad \sim \text{side force} \qquad (44)$$

$$C_z = \frac{1}{S_R} \iint_S C_p \, \hat{n} \cdot \hat{k} \, ds \qquad \sim \text{lift force} \qquad (45)$$

$$C_m = \frac{1}{S_R C_R} \iint_S C_p \, [(\vec{R} - \vec{R}_R) \times \hat{n}] \cdot \hat{j} \, ds \sim \text{pitching moment} \qquad (46)$$

$$C_\ell = \frac{1}{S_R b_R} \iint_S C_p \, [(\vec{R} - \vec{R}_R) \times \hat{n}] \cdot \hat{i} \, ds \sim \text{rolling moment} \qquad (47)$$

where $C_p$ is the pressure coefficient from eqn. (7) in steady flow and from eqns. (13) and (14) in unsteady flow; $\hat{n}$ is a unit vector normal to the aerodynamic surface S; $\hat{i}$, $\hat{j}$, $\hat{k}$ are the unit base vectors of the coordinate system shown on figure 2; $\vec{R}_R$ is the position of the balance center (labeled "center of balance" in figure 2) relative to the origin of the coordinate system; $S_R$ (= 0.2604 sq. meters) is the reference area of the wing; $b_R$ (= 0.6224 meters) is the reference semi-span; and $C_R$ (= 0.4183 meters) is the mean reference chord.

Table 8 shows the lift coefficient and pitching moment coefficient for each configuration at the three steady angles of attack: 0.5°, 0.0°, -0.5°. The lift force is regarded as being in the direction of the z coordinate line

(figure 2) and the pitching moment is about a spanwise axis at the half root chord. The surface of integration, S, in the case of this table of data, is the entire aerodynamic surface of the wing and missile store. The position vector $\vec{R}_R$ is given by

$$\vec{R}_R = .3198 \text{ (meters) } \hat{i} \tag{47}$$

For Case 1 the lift force obtained from the wake circulation is shown in parentheses. This method is known to be quite accurate and the disagreement with integrated values can be attributed to coarse leading edge paneling.

Table 9 shows the complex amplitudes of unsteady lift and pitching moment coefficient for each configuration. These coefficients correspond to pitch oscillation with a maximum amplitude of one radian. The surface of integration, S, is the entire aerodynamic surface and the reference position vector $\vec{R}_R$ is, again, given by eq. (47).

Table 10 shows the side and lifting force coefficients and the rolling and pitching moment coefficients for the missile store when the wing is at a steady angle of attack. In each case eqs. (44 - 47) are evaluated choosing the surface of integration to be that of the missile and the missile launcher. In the case of the tip mounted missile

$$\vec{R}_R = .48 \text{ (meters) } \hat{i} + .635 \text{ (meters) } \hat{j} \tag{48}$$

in the case of the under wing, pylon mounted missile

$$\vec{R}_R = .43 \text{ (meters) } \hat{i} + .477 \text{ (meters) } \hat{j} - .066 \text{ (meters) } \hat{k} \tag{49}$$

Table 11 shows the complex amplitudes of the corresponding unsteady force and moment coefficients.

## 7. CONCLUSIONS

Numerical calculations for steady and unsteady flow have been made for a fighter aircraft wing with external stores. These calculations were made for harmonic pitch oscillations about a line through the midpoint of the root chord for reduced frequencies of up to $k = 0.4$. Calculations took the form of pressure distributions for both the upper and lower wing surface. Force coefficients were also calculated over the Mach range of $M = 0.6$ to $M = 1.35$. These data are provided for comparisons of the numerical calculations with other numerical methods and with experimental results.

## REFERENCES


1. Ehlers, E. F., Epton, M. A., Johnson, F. T., Magnus, A. E., and Rubbert, P. E.: "A Higher Order Panel Method for Linearized Supersonic Flow," NASA CR-3062, 1979.

2. Dusto, A. R. and Epton, M. A.: "An Advanced Panel Method of Analysis of Arbitrary Configurations in Unsteady Subsonic Flow," NASA CR-152323, 1980.

3. Ward, G. N., "Linearized Theory of High Speed Flow," Cambridge University Press, 1955.

4. Ashley, H. and Landahl, M.: "Aerodynamics of Wings and Bodies," Addison-Wesley, 1965.

5. Moran, J., Tinoco, E. N., and Johnson, F. T.: "User's Manual, Subsonic/Supersonic Advanced Panel Pilot Code," NASA CR-152047, 1978.

Table 1 Chordwise Coordinates of Panels on Wing Surface

| M | $\xi_M/c$ |
|---|---|
| 1 | 0.0 |
| 2 | 0.02447 |
| 3 | 0.09549 |
| 4 | 0.2061 |
| 5 | 0.2504 |
| 6 | 0.3455 |
| 7 | 0.5000 |
| 8 | 0.6545 |
| 9 | 0.7032 |
| 10 | 0.7362 |
| 11 | 0.8117 |
| 12 | 0.9045 |
| 13 | 0.9755 |
| 14 | 1.0000 |

Table 2 Spanwise Coordinates of Panels on Wing Surface

| N | $2\eta_N/c_R$ |
|---|---|
| 1 | 0.0 |
| 2 | 0.3168 |
| 3 | 0.6258 |
| 4 | 0.9193 |
| 5 | 1.1903 |
| 6 | 1.4319 |
| 7 | 1.4916 |
| 8 | 1.5520 |
| 9 | 1.6383 |
| 10 | 1.8043 |
| 11 | 1.9259 |
| 12 | 1.9468 |
| 13 | 2.001 |
| 14 | 2.0250 |

Table 3 Camber and Thickness Angle of Slope of Wing Airfoil

| M | $\xi_M/C$ | $\alpha_c$, radians | $\alpha_t$, radians |
|---|---|---|---|
| 1 | 1.0000 | 0.0000 | - - - |
| 2 | 0.9875 | 0.0000 | -0.06119 |
| 3 | 0.9389 | 0.0000 | -0.06118 |
| 4 | 0.8068 | 0.0000 | -0.06112 |
| 5 | 0.7735 | 0.0000 | -0.05637 |
| 6 | 0.7199 | 0.0000 | -0.04572 |
| 7 | 0.6788 | 0.0000 | -0.03770 |
| 8 | 0.5754 | 0.0000 | -0.02404 |
| 9 | 0.4218 | 0.0000 | -0.002439 |
| 10 | 0.2987 | 0.0037 | 0.02214 |
| 11 | 0.2291 | 0.01612 | 0.03472 |
| 12 | 0.1518 | 0.03039 | 0.05127 |
| 13 | 0.06126 | 0.05775 | 0.0933 |
| 14 | 0.01289 | 0.07366 | 0.3164 |
| 15 | 0.0000 | 0.078 | - - - |

Table 4  Steady Flow Boundary Condition Options

| COMPONENT | NTS | NTD | NLOPT1 | NROPT1 | NLOPT2 | NROPT2 |
|---|---|---|---|---|---|---|
| wing | 1 | 12 | 5<br>(0 | 1<br>0 | 4<br>4 | 1<br>1)* |
| launcher | 1 | 12 | 5<br>(0 | 1<br>0 | 4<br>4 | 5<br>5)* |
| pylon | 1 | 12 | 5<br>(0 | 1<br>0 | 4<br>4 | 5<br>5)* |
| missile body | 1 | 12 | 5<br>(0 | 3<br>0 | 7<br>7 | 2<br>2)** |
| missile body base closure | 1 | 12 | 6<br>(0 | 2<br>0 | 7<br>7 | 2<br>2)* |
| missile fins | 0 | 12 | 0 | 0 | 4 | 5 |
| wind tunnel walls | 0 | 12 | 0 | 0 | 4 | 3 |
| wakes | 0 | 18 | 0 | 0 | 4 | 3 |

* Network edge control point choice of options where they differ from the panel center control point choice.

** At network edges abutting a missile body base closure network, NLOPT2 = 3.

Table 5 Unsteady Flow Boundary Condition Options

| COMPONENT | NTS | NTD | NLOPT1 | NROPT1 | NLOPT2 | NROPT2 |
|---|---|---|---|---|---|---|
| wing | 0 | 12 | 0 | 0 | 4 | 5 |
| launcher | 0 | 12 | 0 | 0 | 4 | 5 |
| pylon | 0 | 12 | 0 | 0 | 4 | 5 |
| missile body | 1 | 12 | 5<br>(0 | 5<br>0 | 7<br>7 | 2<br>2)* |
| missile body base closure | 1 | 12 | 6<br>(0 | 2<br>0 | 7<br>7 | 2<br>2)** |
| missile fins | 0 | 12 | 0 | 0 | 4 | 5 |
| wind tunnel walls | 0 | 12 | 0 | 0 | 4 | 3 |
| wakes | 0 | 18 | 0 | 0 | 4 | 3 |

* At network edge control points on network edge abutting a missile body base closure network.

** Network edge control point.

Table 6 Configuration Indentification Numbers

1. Clean wing including tip fairing, figure 1.
2. Clean wing including tip fairing and mounted in a wind-tunnel, figure 5.
3. Wing without tip fairing but with tip launcher.
4. Case 3 plus tip missile body.
5. Case 4 plus aft missile fins.
6. Case 5 plus canard fins.
7. Case 1 plus under wing pylon, launcher and missile (including both aft and canard fins).

Table 7 Flow Evaluation Conditions

| Configuration Number | Steady Evaluation Mach Numbers | Unsteady Evaluation Mach Numbers |
|---|---|---|
| 1 | .6, .8, .9, .95, 1.05, 1.1, 1.35 | .6, .8, .9, .95 |
| 2 | .6, .8 | .6, .8 |
| 3 | .8 | .8 |
| 4 | .8 | .8 |
| 5 | .8 | .8 |
| 6 | .8 | .8 |
| 7 | .6, .8 | .6 |

Table 8 Steady Lift and Pitching Moment Coefficients

| | $-.5^{o}$ | $0.^{o}$ | $.5^{o}$ | $-.5^{o}$ | $0.^{o}$ | $.5^{o}$ | $-.5^{o}$ | $0.^{o}$ | $.5^{o}$ |
|---|---|---|---|---|---|---|---|---|---|
| | C1, M = .6 | | | C1, M = .8 | | | C1, M = .9 | | |
| $C_z$ | -.03182 (-.03650) | .00101 (-.00473) | .03383 (.02704) | -.03459 (-.03939) | .00143 (-.00432) | .03746 (.03075) | -.03670 (-.04161) | .00222 (-.00354) | .04115 (.03452) |
| $C_m$ | -.00935 | -.00721 | -.00508 | -.01128 | -.00889 | .03075 | -.01331 | -.01065 | -.00800 |
| | C2, M = .6 | | | C2, M = .8 | | | | | |
| $C_z$ | -.03378 | .00075 | .03535 | -.03658 | .00137 | .03949 | | | |
| $C_m$ | -.00925 | -.00714 | -.00501 | -.01093 | -.00868 | -.00639 | | | |
| | | | | C3, M = .8 | | | | | |
| $C_z$ | | | | -.03452 | .00189 | .03847 | | | |
| $C_m$ | | | | -.00658 | -.00875 | -.01092 | | | |
| | | | | C4, M = .8 | | | | | |
| $C_z$ | | | | -.03883 | .00143 | .04137 | | | |
| $C_m$ | | | | -.00576 | -.00873 | -.01167 | | | |
| | | | | C5, M = .8 | | | | | |
| $C_z$ | | | | -.04095 | .00121 | .04355 | | | |
| $C_m$ | | | | -.00923 | -.00848 | -.00770 | | | |

Table 8 Concluded

| | $-.5^o$ | $0.^o$ | $.5^o$ | $-.5^o$ | $0.^o$ | $.5^o$ | $-.5^o$ | $0.^o$ | $.5^o$ |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C6, M = .8 | | | | |
| $C_z$ | | | | -.04119 | .00116 | .04371 | | | |
| $C_m$ | | | | -.00481 | -.00865 | -.01249 | | | |
| | | C7, M = .6 | | | C7, M = .8 | | | | |
| $C_z$ | -.03608 | -.00245 | .03123 | -.03993 | -.00326 | .03358 | | | |
| $C_m$ | -.00782 | -.00815 | -.00845 | -.00877 | -.00917 | -.00955 | | | |
| | | C1, M = .95 | | | C1, M = 1.05 | | | C1, M = 1.10 | |
| $C_z$ | -.03798<br>(-.04293) | .00320<br>(-.00256) | .04437<br>(.03781) | -.04666<br>(-.05125) | .00516<br>(.00032) | .05698<br>(.05189) | -.05902<br>(-.06321) | -.00990<br>(-.01405) | .03923<br>(.03511) |
| $C_m$ | -.01511 | -.01220 | -.00930 | -.02701 | -.02955 | -.03208 | -.02675 | -.03071 | -.03467 |
| | | C1, M = 1.2 | | | C1, M = 1.35 | | | | |
| $C_z$ | -.07387<br>(-.07562) | -.03085<br>(-.03247) | .01217<br>(.01067) | -.07000<br>(-.07063) | -.03488<br>(-.03534) | .00023<br>(-.00004) | | | |
| $C_m$ | -.02365 | -.02805 | -.03246 | -.01265 | -.01732 | -.02199 | | | |

Table 9 Unsteady Lift and Pitching Moment Coefficients

| | C1, M = .6 | | C1, M = .8 | | C1, M = .9 | | C1, M = .95 | |
|---|---|---|---|---|---|---|---|---|
| $C_z^*$ | 3.5563 | 1.1276 | 3.9957 | .6578 | 4.5043 | .4646 | 4.7764 | .2197 |
| $C_m^*$ | -.07585 | -.5834 | -.1475 | -.5863 | -.2818 | -.7893 | -.5969 | -.9292 |

| | C2, M = .6 | | C2, M = .8 | |
|---|---|---|---|---|
| $C_z^*$ | 3.7649 | 1.0839 | 4.4828 | .5308 |
| $C_m^*$ | .3540 | -.4645 | .3346 | -.5769 |

| | C3, M = .8 | |
|---|---|---|
| $C_z^*$ | 4.1001 | .7014 |
| $C_m^*$ | .3139 | -.5376 |

| | C4, M = .8 | |
|---|---|---|
| $C_z^*$ | 4.4216 | .6556 |
| $C_m^*$ | -.2467 | -.6399 |

| | C5, M = .8 | |
|---|---|---|
| $C_z^*$ | 4.6544 | .5680 |
| $C_m^*$ | -.3917 | -.6180 |

| | C6, M = .8 | |
|---|---|---|
| $C_z^*$ | 4.7840 | .4629 |
| $C_m^*$ | -.4709 | -.5619 |

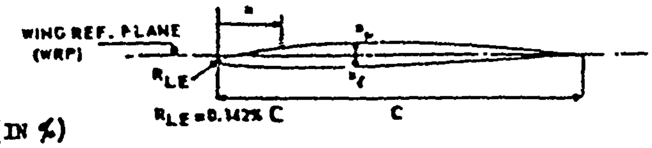
| | C7, M = .8 | |
|---|---|---|
| $C_z^*$ | 3.6673 | 1.1413 |
| $C_m^*$ | .0788 | -.5813 |

Table 10 Steady Force and Moment Coefficients for Missile Store

| | C3, M = .6 | | | C3, M = .8 | | |
|---|---|---|---|---|---|---|
| | α = -.5 | α = 0 | α = .5 | α = -.5 | α = 0 | α = .5 |
| $C_y$ | | | | 0 | 0 | 0 |
| $C_z$ | | | | -.00076 | -.00007 | .00063 |
| $C_\ell$ | | | | 0 | 0 | 0 |
| $C_m$ | | | | -.00013 | -.00005 | .00003 |
| | | | | | C4, M = .8 | |
| $C_y$ | | | | -.00076 | -.00086 | -.00081 |
| $C_z$ | | | | -.00196 | -.00019 | .00158 |
| $C_\ell$ | | | | -.00004 | -.00001 | -.00003 |
| $C_m$ | | | | -.00052 | -.00013 | .00026 |
| | | | | | C.5, M = .8 | |
| $C_y$ | | | | -.00455 | -.00460 | -.00459 |
| $C_z$ | | | | -.00317 | -.00028 | .00261 |
| $C_\ell$ | | | | -.00341 | -.00030 | .00281 |
| $C_m$ | | | | -.00070 | -.00015 | -.00323 |
| | | | | | C6, M = .8 | |
| $C_y$ | | | | -.00458 | -.00460 | -.00460 |
| $C_z$ | | | | -.00323 | -.00029 | .00265 |
| $C_\ell$ | | | | -.00018 | -.00002 | .00014 |
| $C_m$ | | | | -.00073 | -.00016 | .00041 |
| | | C7, M = .6 | | | C7, M = .8 | |
| $C_y$ | -.00299 | -.00196 | -.00095 | -.00374 | -.00254 | -.00137 |
| $C_z$ | .00466 | .00493 | .00519 | .00546 | .00574 | .00601 |
| $C_\ell$ | -.00015 | -.00009 | -.00005 | -.00018 | -.00013 | -.00007 |
| $C_m$ | -.00288 | -.00248 | -.00209 | -.00318 | -.00278 | -.00236 |

Table 11 Unsteady Force and Moment Coefficients for Missile Store

| | | |
|---|---|---|
| | C3, M = .8 | |
| $C_y^*$ | 0 | 0 |
| $C_z^*$ | .0612 | .0096 |
| $C_\ell^*$ | .0626 | .0098 |
| $C_m^*$ | .0232 | -.0012 |
| | C4, M = .8 | |
| $C_y^*$ | -.0022 | .0003 |
| $C_z^*$ | .1652 | .0270 |
| $C_\ell^*$ | .0034 | .0009 |
| $C_m^*$ | .05490 | -.0083 |
| | C5, M = .8 | |
| $C_y^*$ | -.0836 | .0260 |
| $C_z^*$ | .2955 | .0176 |
| $C_\ell^*$ | .0168 | -.0001 |
| $C_m^*$ | .0298 | -.0083 |
| | C6, M = .8 | |
| $C_y^*$ | .3203 | -.1194 |
| $C_z^*$ | .4191 | -.0289 |
| $C_\ell^*$ | .0230 | -.0023 |
| $C_m^*$ | .0233 | -.0017 |
| | C7, M = .6 | |
| $C_y^*$ | .0998 | -.0008 |
| $C_z^*$ | .0421 | .0420 |
| $C_\ell^*$ | .0049 | -.0004 |
| $C_m^*$ | .0290 | -.0414 |




AEROFOIL CO-ORDINATES (IN %)

| x/C | $z_u$/C | $z_\ell$/C |
|---|---|---|
| 0 | -1.03300 | -1.03300 |
| 0.1 | -0.85917 | -1.19123 |
| 0.2 | -0.78409 | -1.25078 |
| 0.3 | -0.72529 | -1.29413 |
| 0.4 | -0.67494 | -1.32912 |
| 0.5 | -0.62999 | -1.35879 |
| 0.6 | -0.58889 | -1.38470 |
| 0.7 | -0.55074 | -1.40774 |
| 0.8 | -0.51489 | -1.42855 |
| 0.9 | -0.48095 | -1.44754 |
| 1.0 | -0.44861 | -1.46502 |
| 1.25 | -0.37338 | -1.50342 |
| 1.50 | -0.30440 | -1.53608 |
| 1.75 | -0.24019 | -1.56446 |
| 2.00 | -0.17980 | -1.58950 |
| 2.25 | -0.12256 | -1.61188 |
| 2.50 | -0.06801 | -1.63204 |
| 3.00 | 0.03448 | -1.66716 |
| 4.00 | 0.21918 | -1.72259 |
| 5.00 | 0.38403 | -1.76521 |
| 6.00 | 0.53408 | -1.79977 |
| 7.00 | 0.67239 | -1.82904 |
| 8.00 | 0.80092 | -1.85474 |
| 9.00 | 0.92107 | -1.87801 |
| 10 | 1.03385 | -1.89966 |
| 11 | 1.14006 | -1.92024 |
| 12 | 1.24024 | -1.94013 |
| 13 | 1.33490 | -1.95962 |

| x/C | $z_u$/C | $z_\ell$/C |
|---|---|---|
| 14 | 1.42438 | -1.97891 |
| 15 | 1.50900 | -1.99811 |
| 16 | 1.58897 | -2.01730 |
| 17 | 1.66449 | -2.03650 |
| 18 | 1.73574 | -2.05568 |
| 19 | 1.80284 | -2.07488 |
| 20 | 1.86588 | -2.09407 |
| 21 | 1.92499 | -2.11326 |
| 22 | 1.98022 | -2.13245 |
| 23 | 2.03164 | -2.15164 |
| 24 | 2.07933 | -2.17083 |
| 25 | 2.12334 | -2.19002 |
| 26 | 2.16373 | -2.20921 |
| 27 | 2.20056 | -2.22840 |
| 28 | 2.23391 | -2.24760 |
| 29 | 2.26384 | -2.26679 |
| 30 | 2.29043 | -2.28598 |
| 31 | 2.31376 | -2.30509 |
| 32 | 2.33386 | -2.32367 |
| 33 | 2.35113 | -2.34117 |
| 34 | 2.36540 | -2.35704 |
| 35 | 2.37693 | -2.37079 |
| 36 | 2.38588 | -2.38202 |
| 37 | 2.39243 | -2.39049 |
| 38 | 2.39681 | -2.39614 |
| 39 | 2.39924 | -2.39915 |
| 40 | 2.40000 | -2.40000 |

| x/C | $z_u$/C(= $-z_\ell$/C) |
|---|---|
| 41 | 2.39930 |
| 42 | 2.39720 |
| 43 | 2.39372 |
| 44 | 2.38885 |
| 45 | 2.38260 |
| 46 | 2.37496 |
| 47 | 2.36597 |
| 48 | 2.35560 |
| 49 | 2.34357 |
| 50 | 2.33078 |
| 51 | 2.31633 |
| 52 | 2.30054 |
| 53 | 2.28341 |
| 54 | 2.26493 |
| 55 | 2.24512 |
| 56 | 2.22398 |
| 57 | 2.20152 |
| 58 | 2.17774 |
| 59 | 2.15263 |
| 60 | 2.12622 |
| 61 | 2.09840 |
| 62 | 2.06948 |
| 63 | 2.03916 |
| 64 | 2.00755 |
| 65 | 1.97465 |
| 66 | 1.94047 |
| 67 | 1.90501 |
| 68 | 1.86814 |
| 69 | 1.82961 |
| 70 | 1.78920 |

| x/C | $z_u$/C(= $-z_\ell$/C) |
|---|---|
| 71 | 1.74675 |
| 72 | 1.70213 |
| 73 | 1.65530 |
| 74 | 1.60623 |
| 75 | 1.55497 |
| 76 | 1.50162 |
| 77 | 1.44631 |
| 78 | 1.38924 |
| 79 | 1.33066 |
| 80 | 1.27087 |
| 81 | 1.21023 |
| 82 | 1.14913 |
| 83 | 1.08798 |
| 84 | 1.02680 |
| 85 | 0.96563 |
| 86 | 0.90445 |
| 87 | 0.84328 |
| 88 | 0.78210 |
| 89 | 0.72093 |
| 90 | 0.65975 |
| 91 | 0.59858 |
| 92 | 0.53740 |
| 93 | 0.47623 |
| 94 | 0.41505 |
| 95 | 0.35388 |
| 96 | 0.29270 |
| 97 | 0.23153 |
| 98 | 0.17035 |
| 99 | 0.10918 |
| 100 | 0.04800 |

Co-ordinates of the aerofoil of the wing

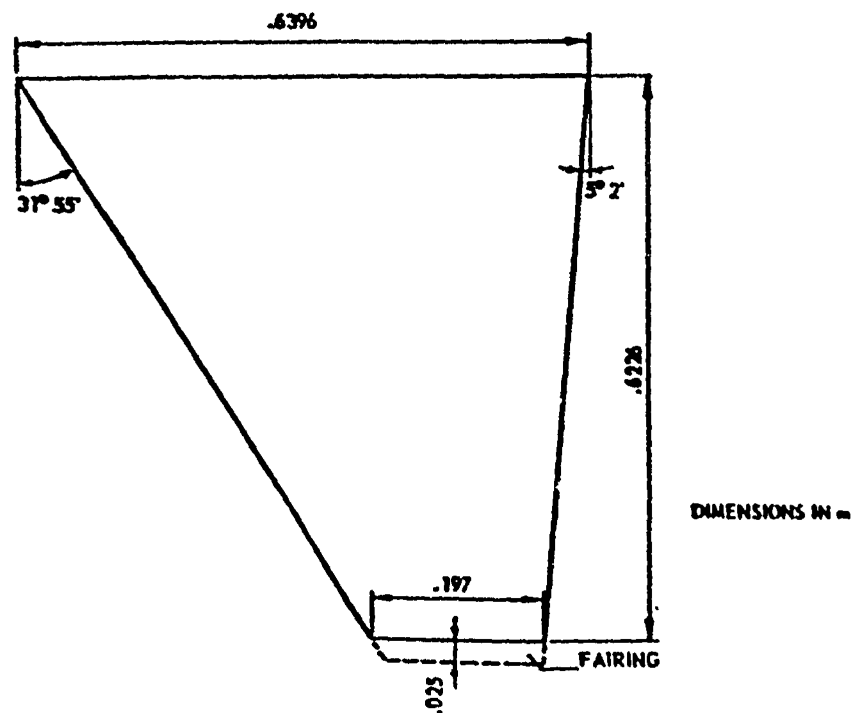



FIGURE 1 DIMENSIONS OF THE WING

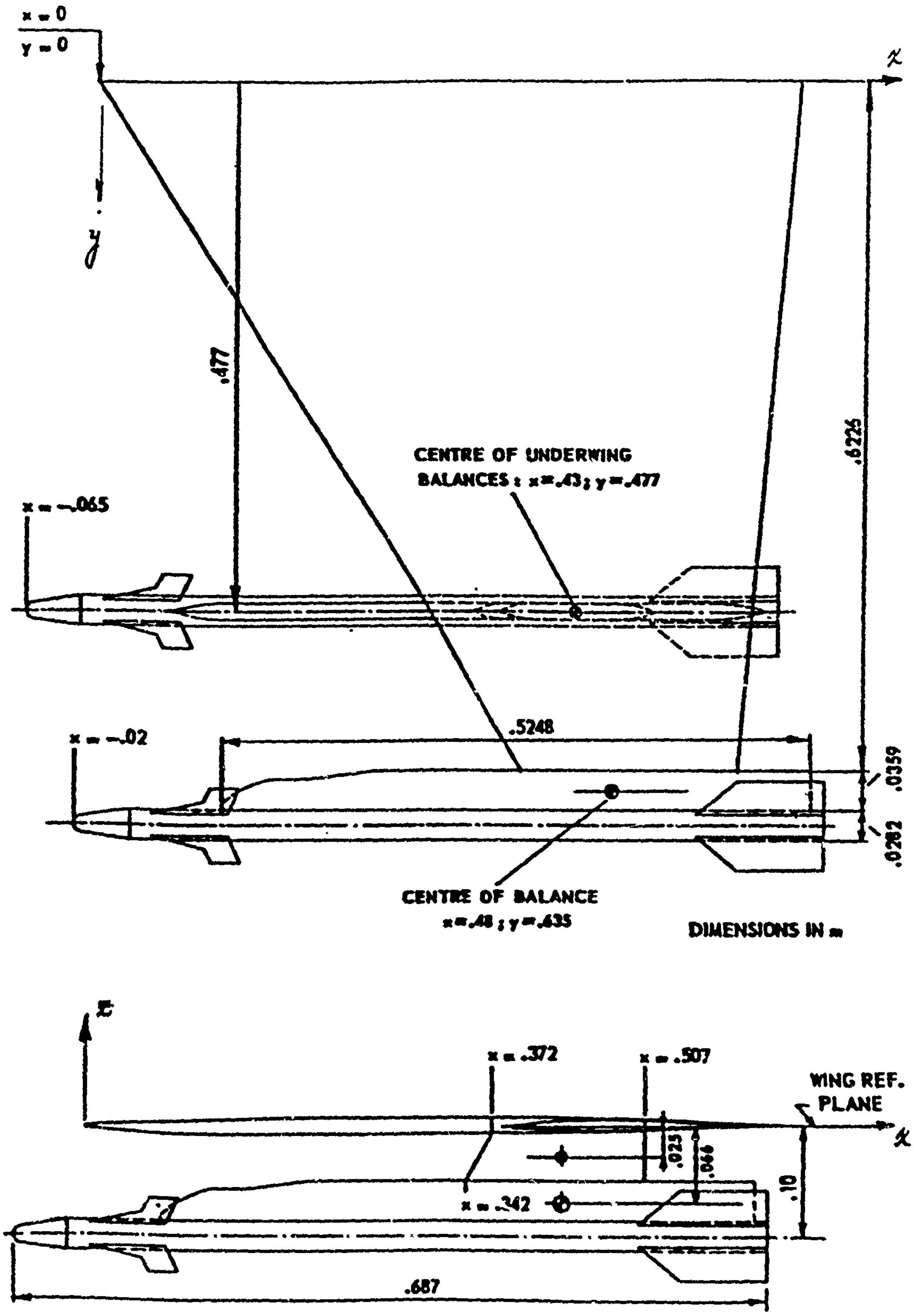



FIGURE 2 POSITION OF THE STORE AND STRAIN GAGE BALANCES

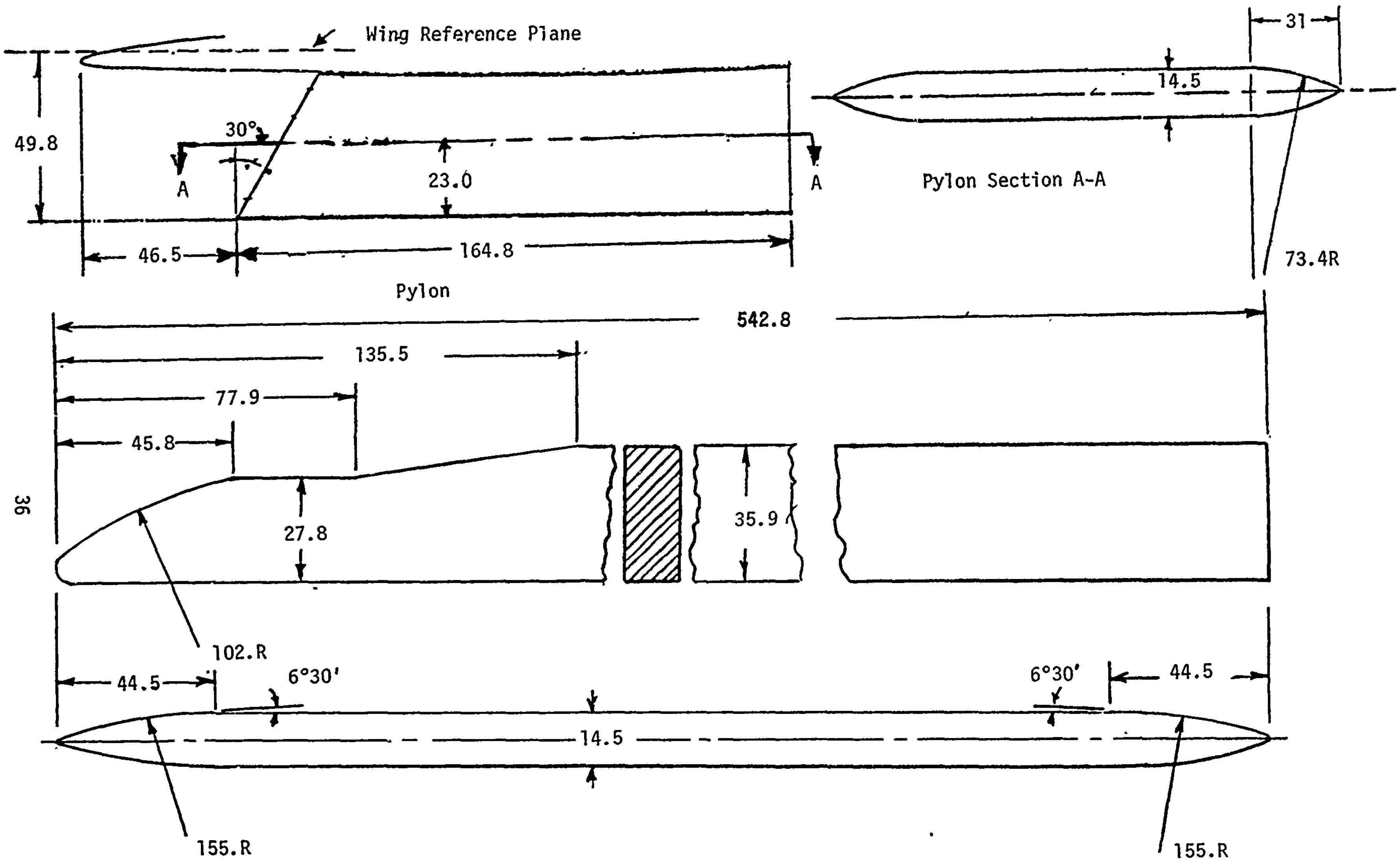



FIGURE 3 MISSILE LAUNCHER AND PYLON DETAILS

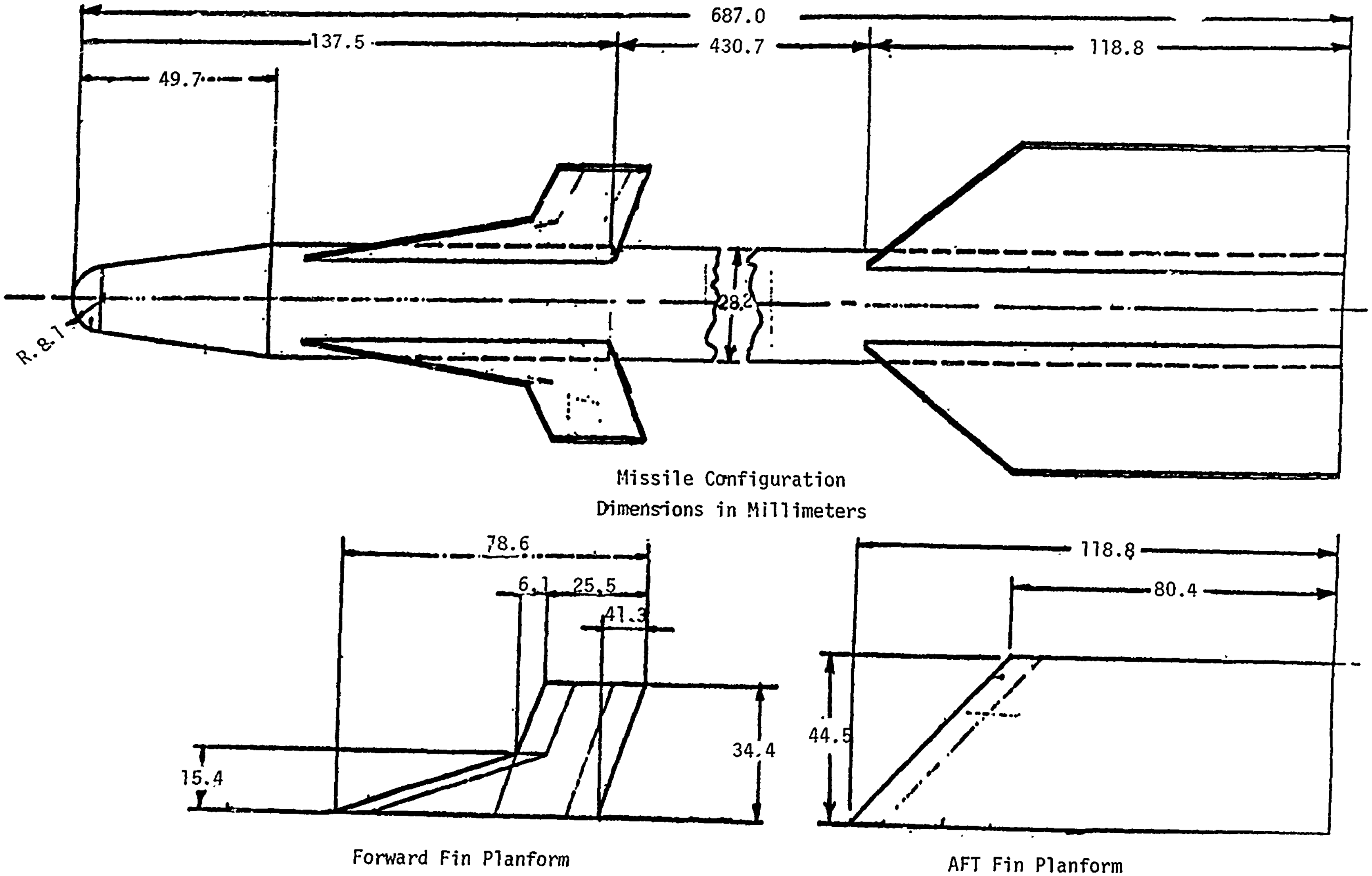



FIGURE 4 MISSILE DETAILS

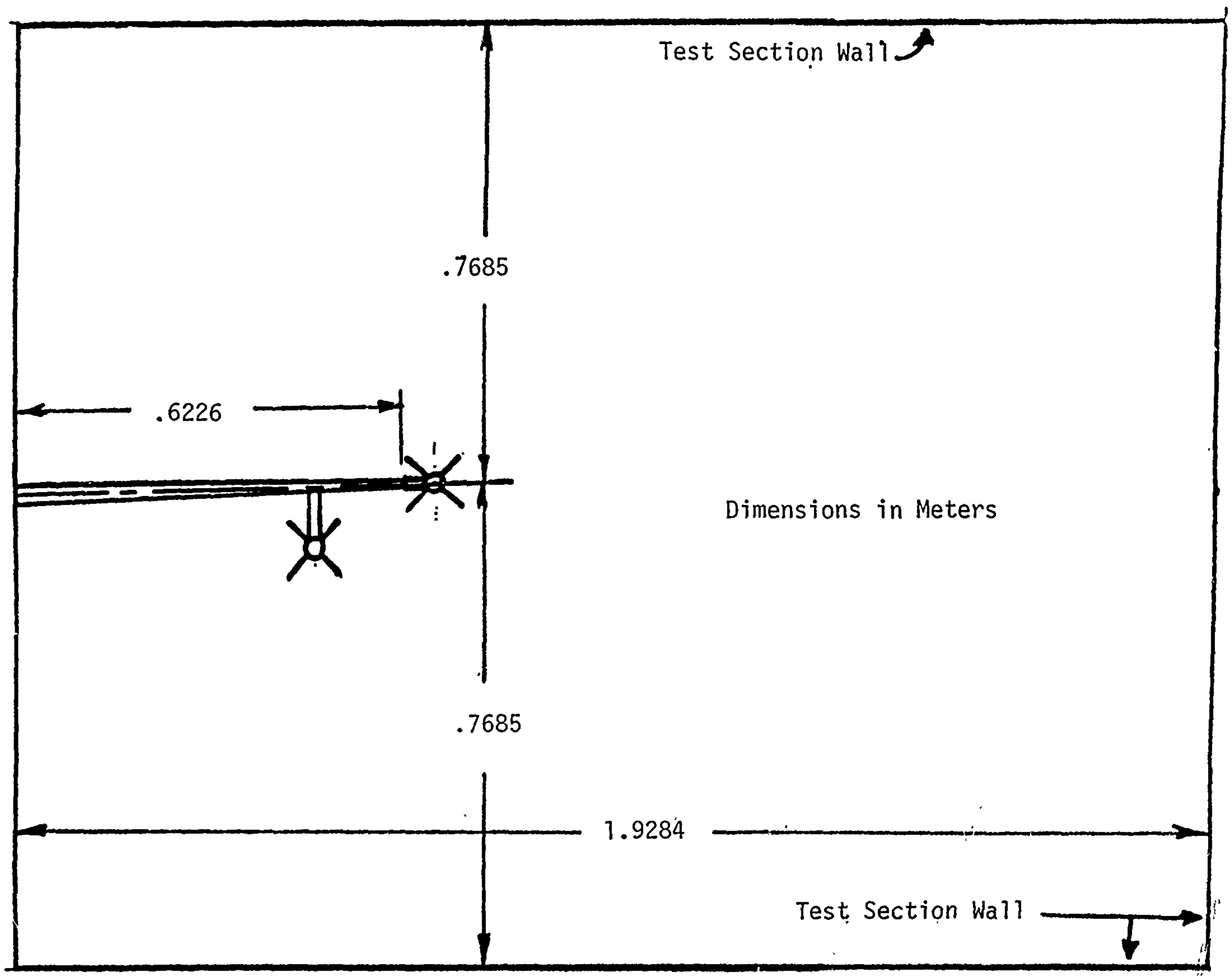



FIGURE 5  DIMENSIONS OF WIND TUNNEL TEST SECTION

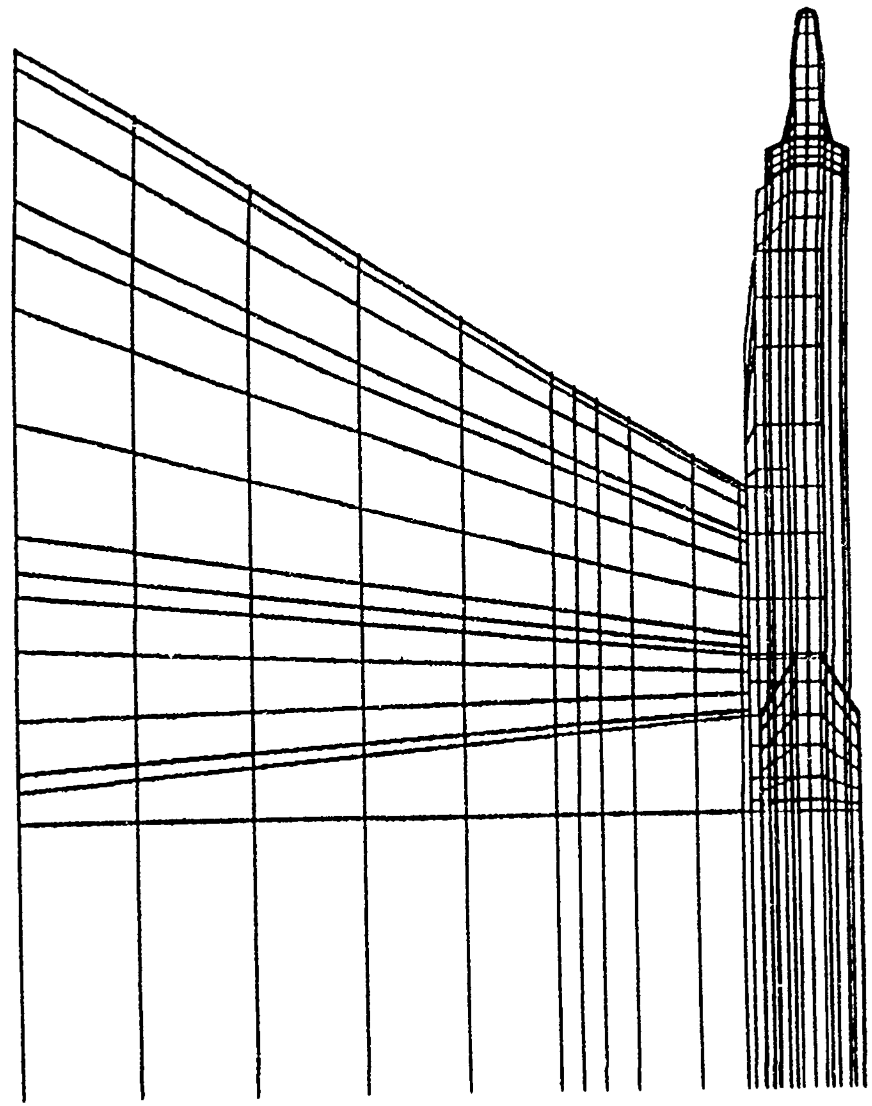


FIGURE 6  PLAN VIEW OF PANELED WING AND TIP MOUNTED MISSILE

Figure 7 FRONT VIEW OF PANELED WING AND TIP MOUNTED MISSILE

FIGURE 8  SIDE VIEW OF PANELED WING AND TIP MOUNTED MISSILE

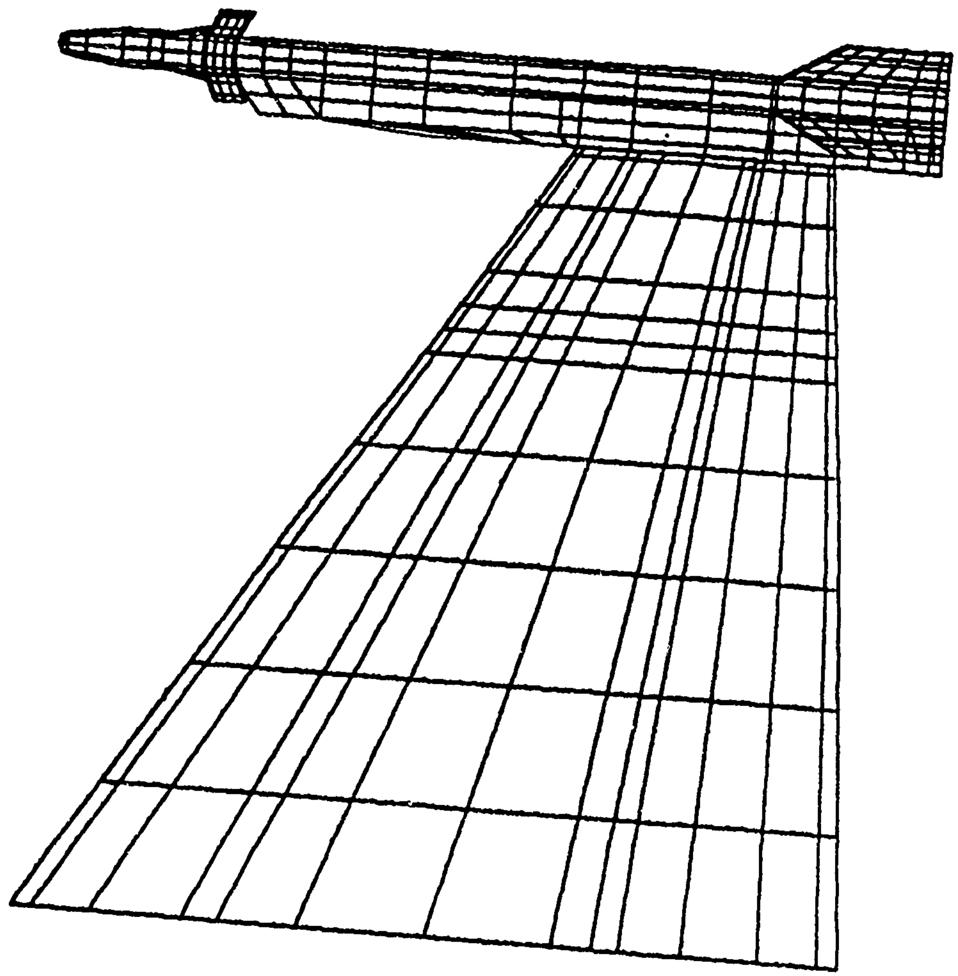


FIGURE 9 PLAN VIEW OF PANELED WING AND TIP MOUNTED MISSILE WITHOUT WAKE

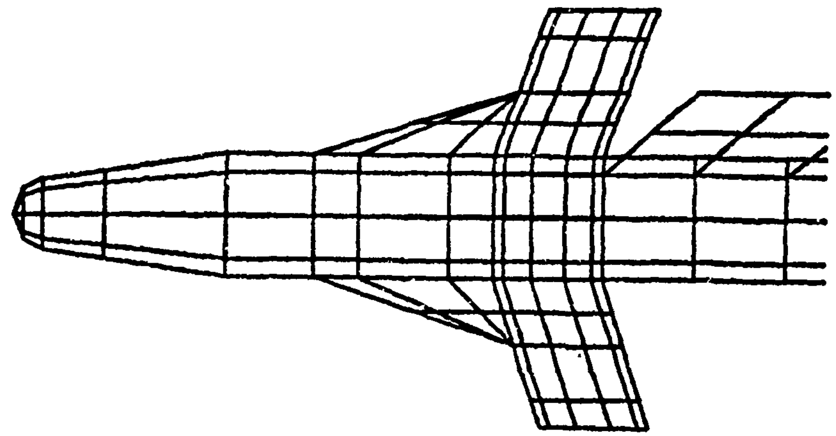


FIGURE 10 FORWARD PORTION OF PANELED MISSILE WITH CANARD FINS IN PLAN VIEW

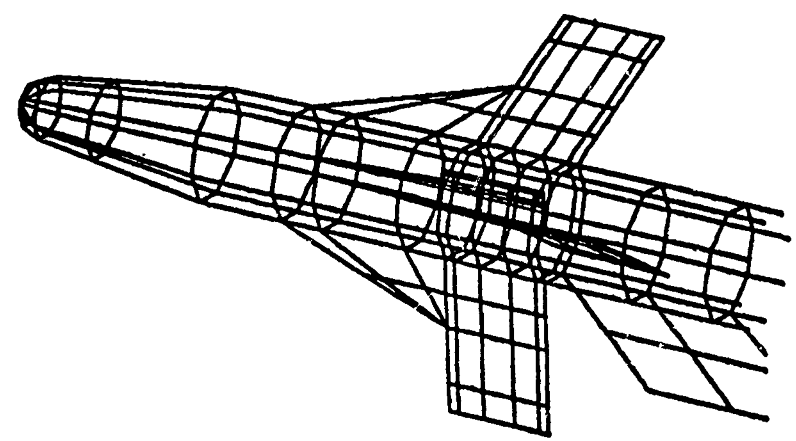


FIGURE 11 FORWARD PORTION OF PANELED MISSILE SHOWING BODY SECTION

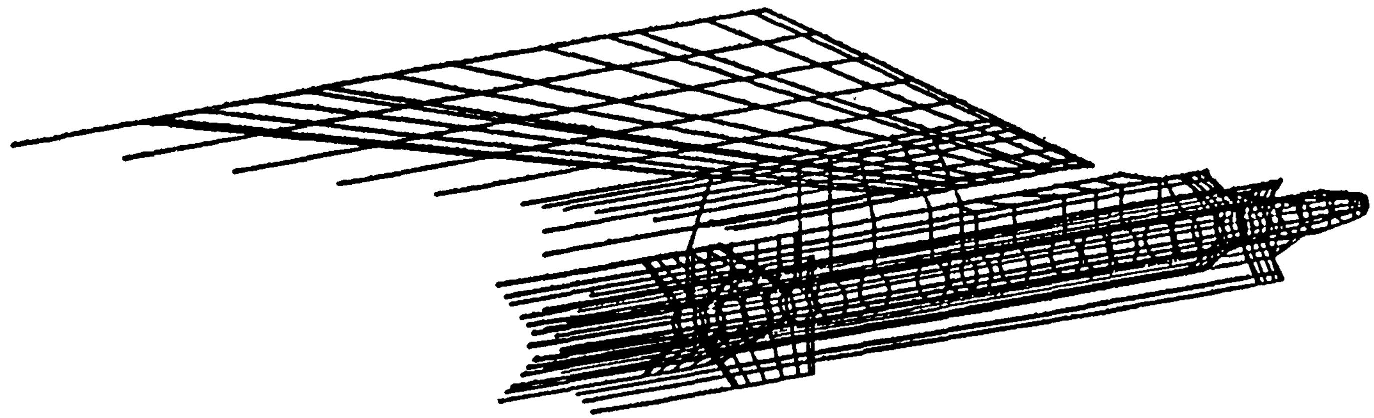


FIGURE 12 PANELED WING AND MISSILE ON PYLON

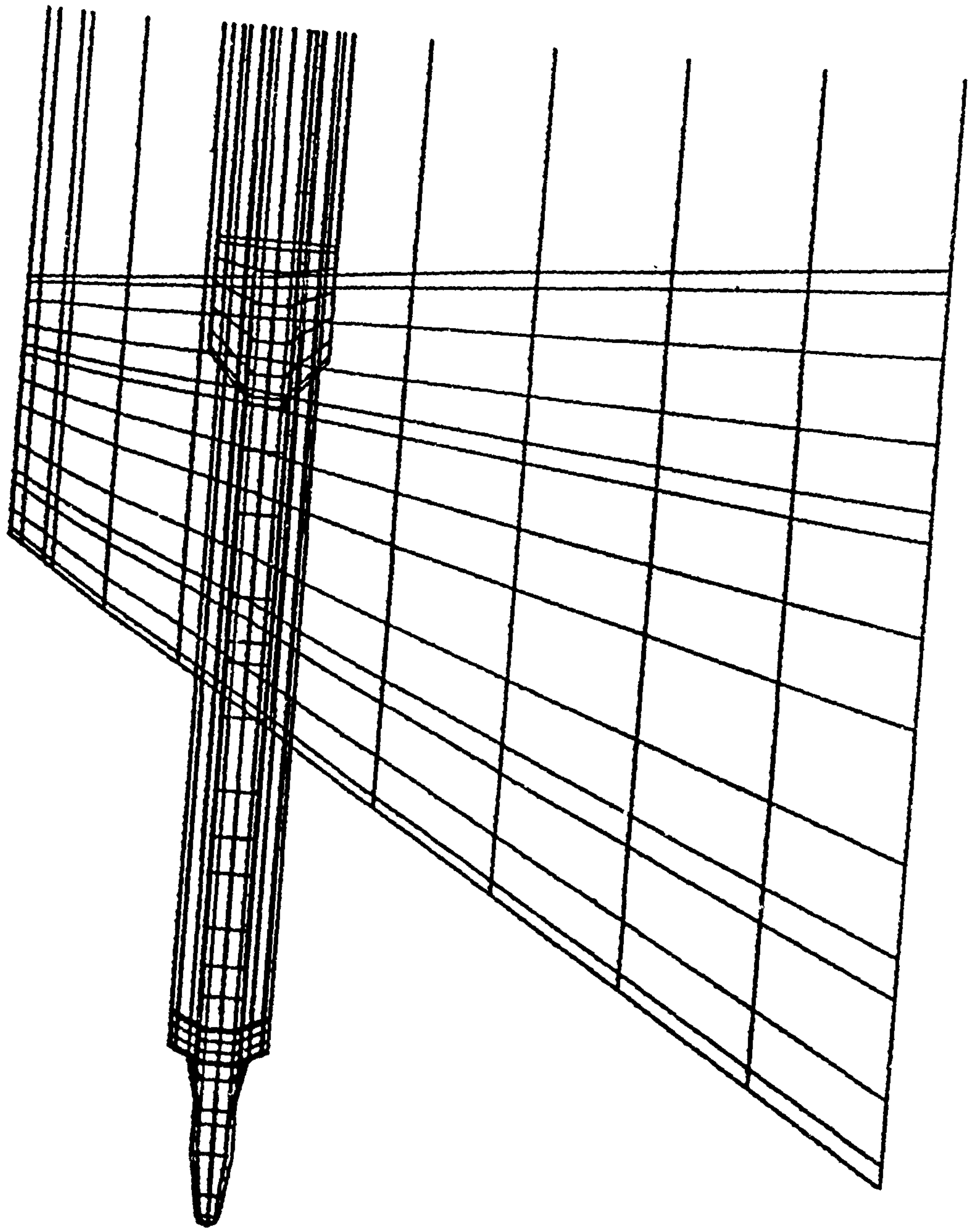


FIGURE 13 PLAN VIEW OF PANELED WING AND MISSILE ON PYLON

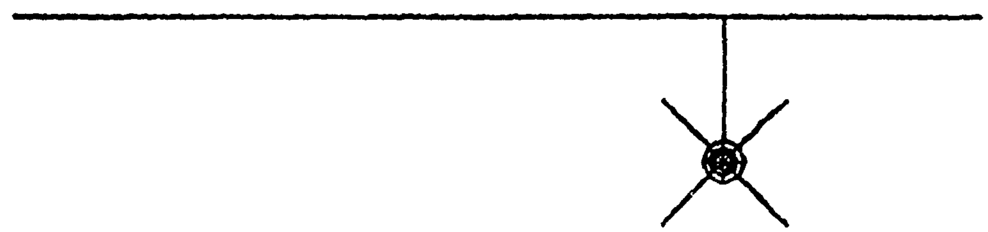


Figure 14 FRONT VIEW OF PANELED WING AND MISSILE ON PYLON

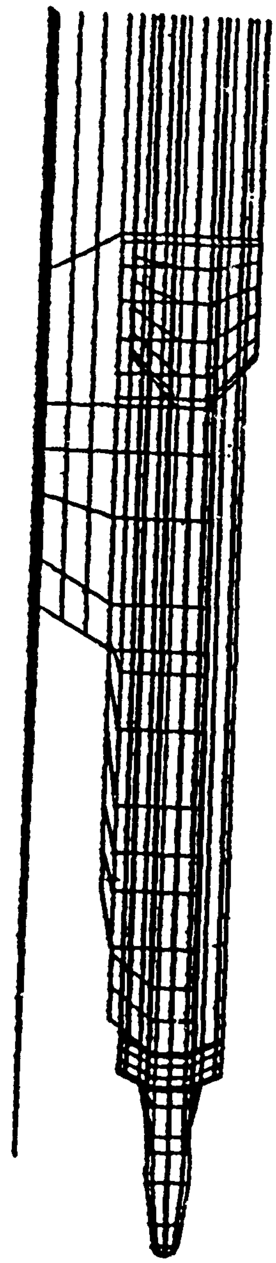


FIGURE 15 SIDE VIEW OF PANELED WING AND MISSILE ON PYLON

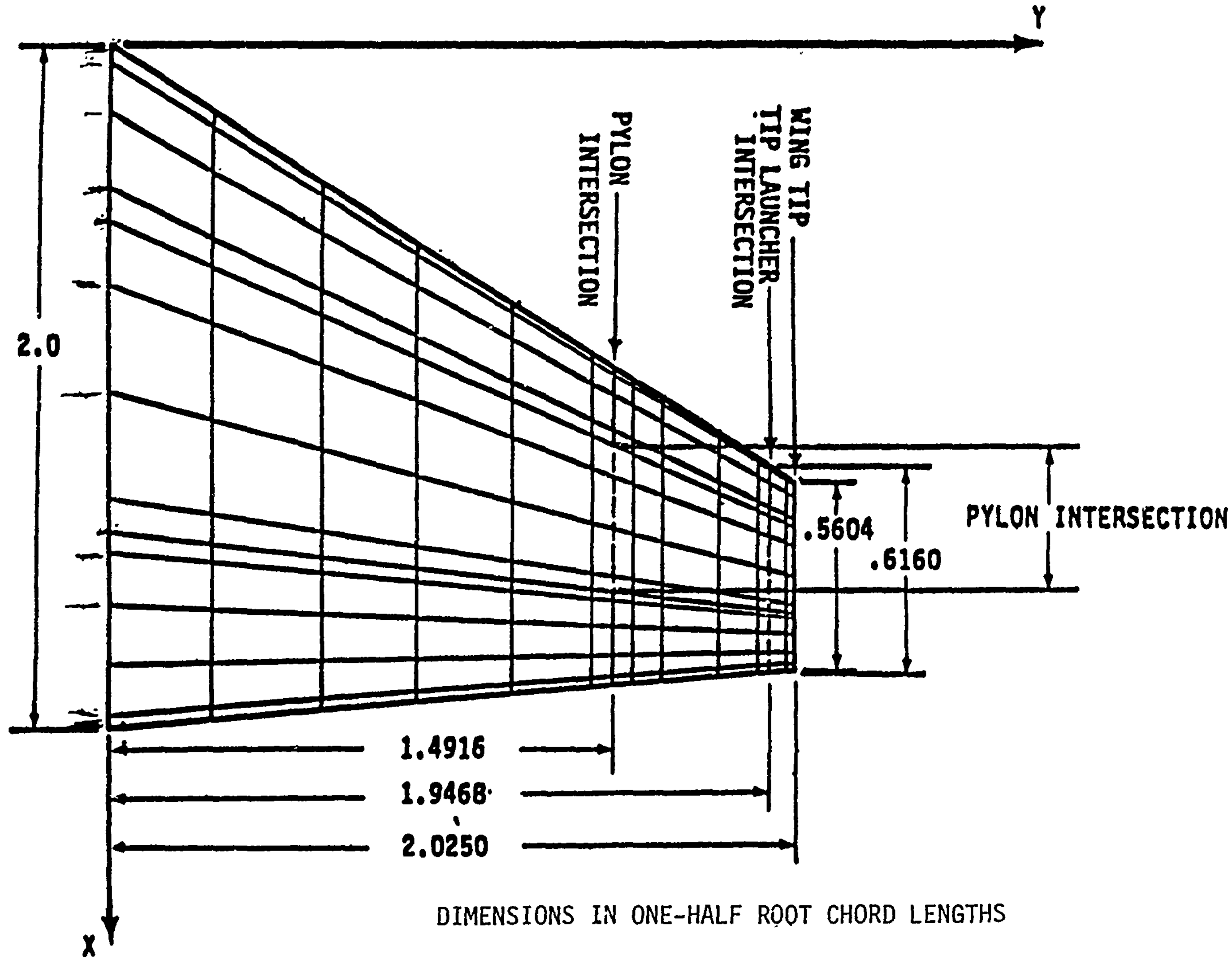
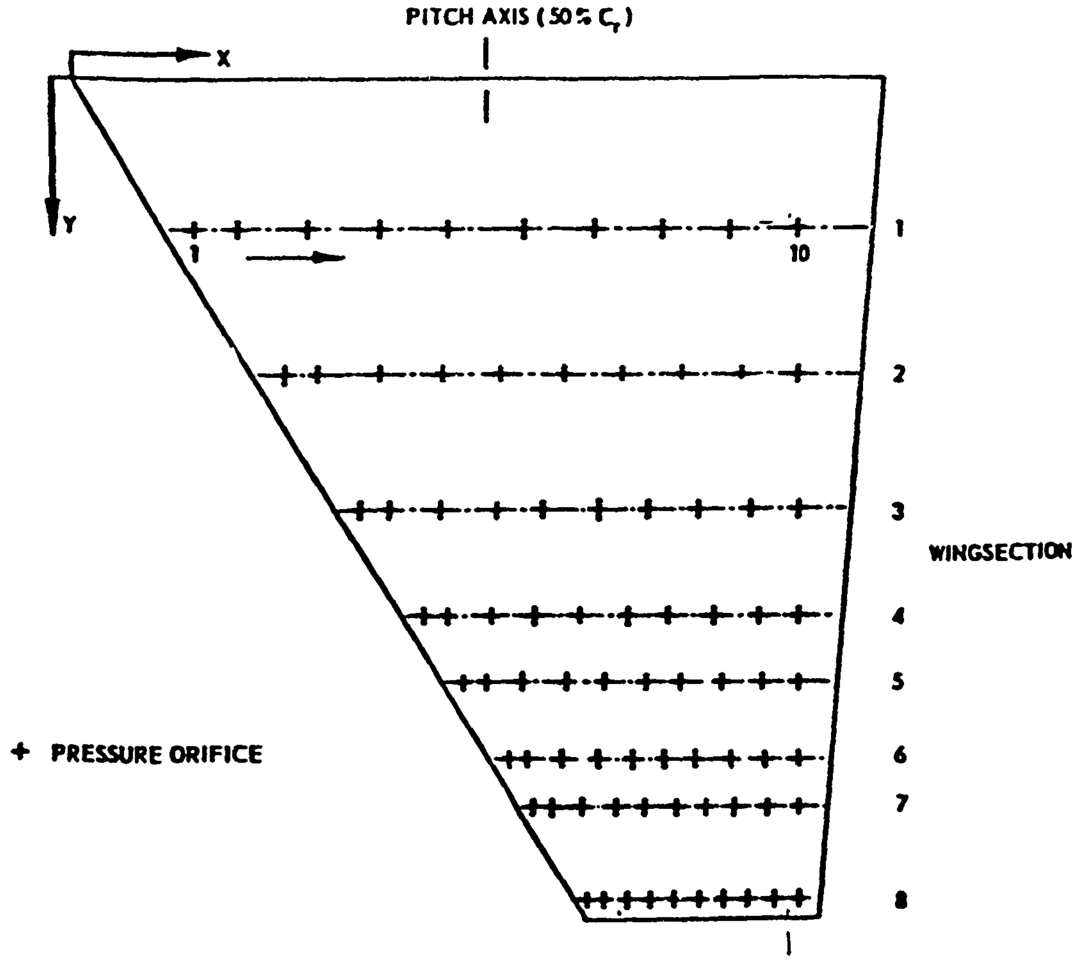



FIGURE 16 PANELING OF THE WING PLANFORM




| PRESSURE ORIFICES | | | |
|---|---|---|---|
| SECTION | % SPAN | ORIFICE NUMBER | % CHORD |
| 1 | 18.1 | 1 | 3 |
| 2 | 35.5 | 2 | 10 |
| 3 | 51.2 | 3 | 20 |
| 4 | 64.1 | 4 | 30 |
| 5 | 72.1 | 5 | 40 |
| 6 | 81.7 | 6 | 50 |
| 7 | 87.5 | 7 | 60 |
| 8 | 97.7 | 8 | 70 |
| | | 9 | 80 |
| | | 10 | 90 |

SPAN = 0.6226 METERS

FIGURE 17 LOCATION OF PRESSURE ORIFICES AND TRANDUCERS

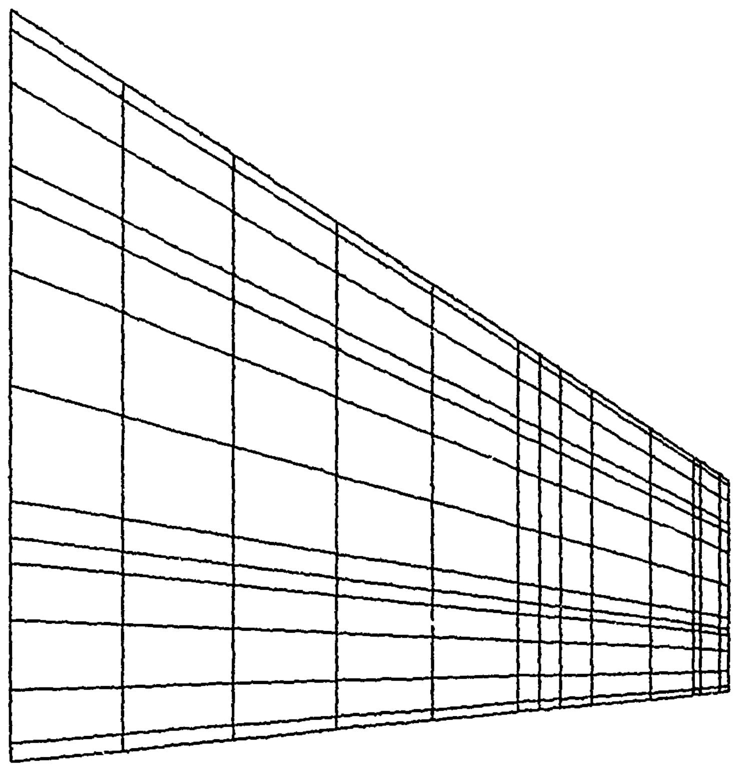
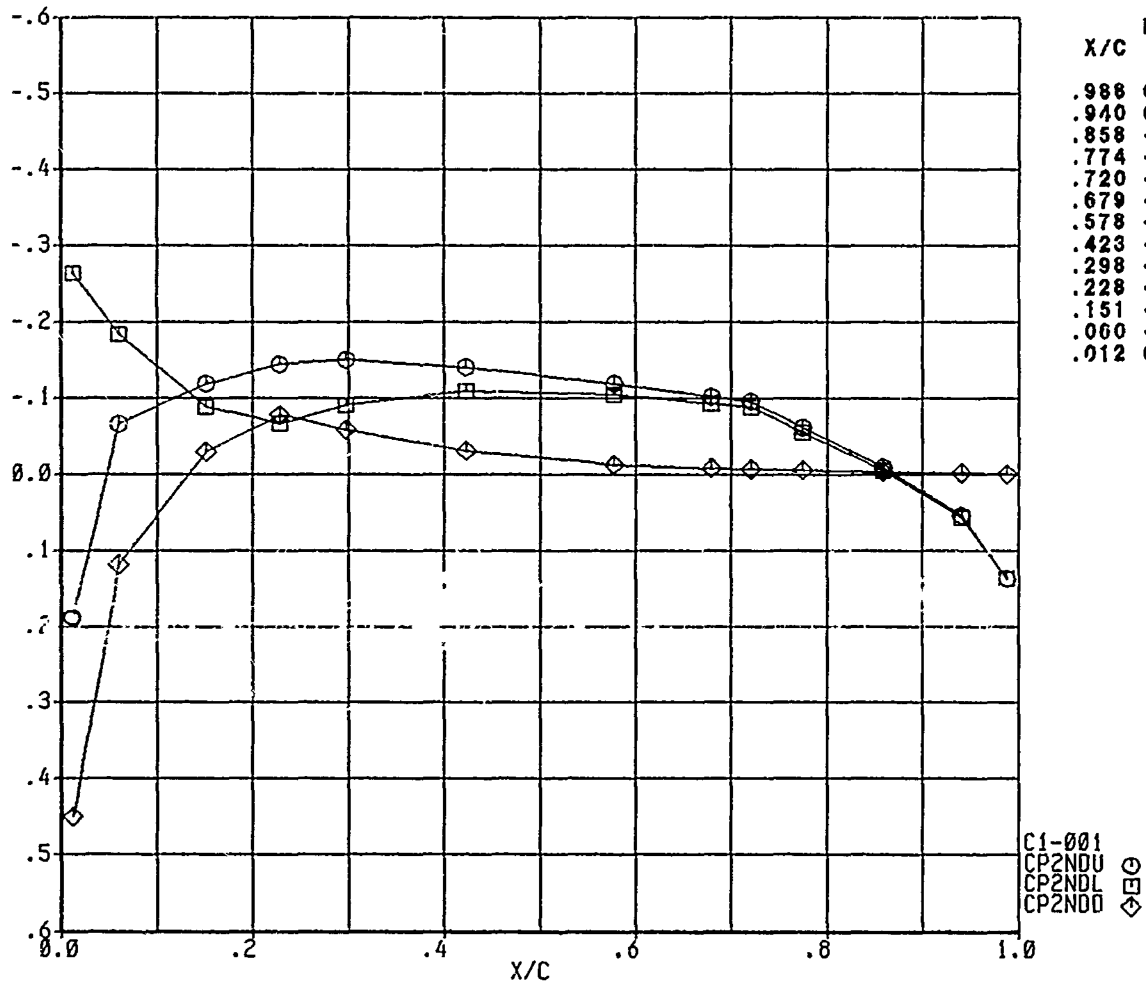


Figure 18, Configuration 1

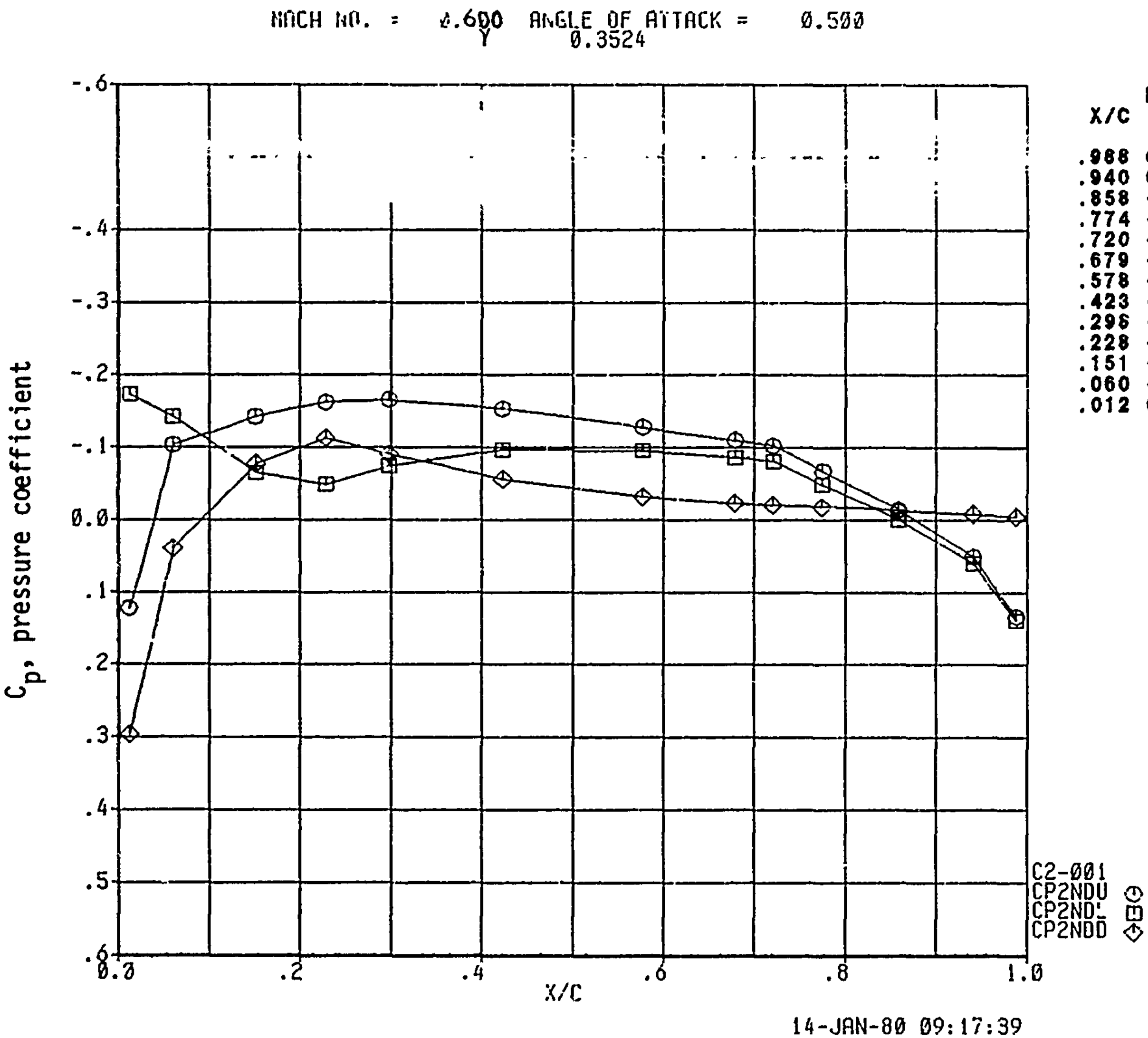
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
Y 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1361 | 0.1371 | -.0010 |
| .940 | 0.0536 | 0.0559 | -.0023 |
| .858 | -.0098 | -.0056 | -.0042 |
| .774 | -.0614 | -.0552 | -.0060 |
| .720 | -.0959 | -.0886 | -.0073 |
| .679 | -.1019 | -.0936 | -.0084 |
| .578 | -.1185 | -.1053 | -.0132 |
| .423 | -.1406 | -.1093 | -.0314 |
| .298 | -.1501 | -.0909 | -.0593 |
| .228 | -.1446 | -.0669 | -.0776 |
| .151 | -.1188 | -.0889 | -.0300 |
| .060 | -.0661 | -.1840 | 0.1180 |
| .012 | 0.1878 | -.2626 | 0.4504 |

14-JAN-80 09:13:50

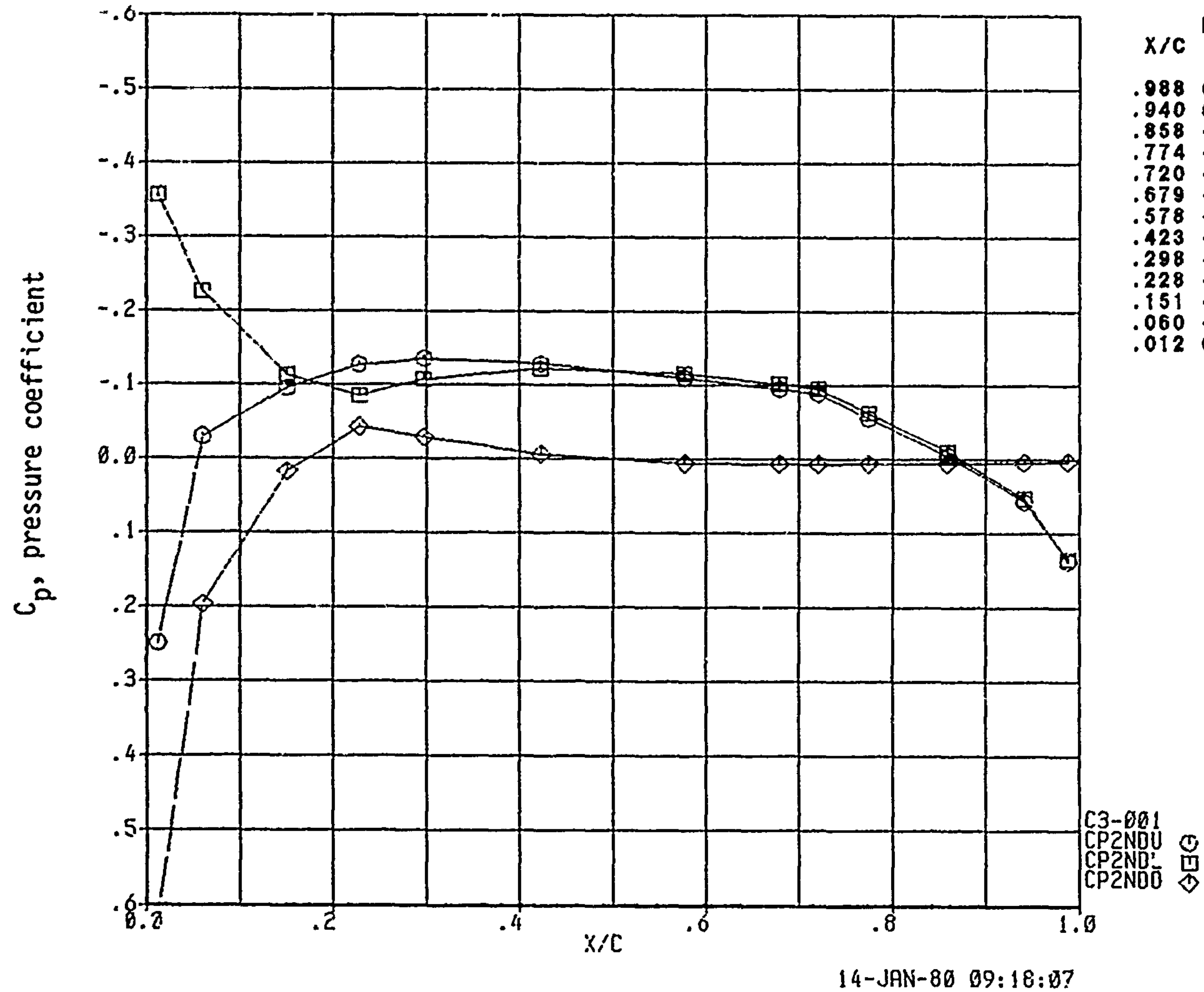
Figure 19 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1340 | 0.1392 | -.0052 |
| .940 | 0.0503 | 0.0591 | -.0088 |
| .858 | -.0146 | -.0009 | -.0137 |
| .774 | -.0676 | -.0492 | -.0184 |
| .720 | -.1029 | -.0818 | -.0212 |
| .679 | -.1096 | -.0862 | -.0233 |
| .578 | -.1279 | -.0962 | -.0317 |
| .423 | -.1533 | -.0969 | -.0564 |
| .296 | -.1659 | -.0755 | -.0904 |
| .228 | -.1624 | -.0492 | -.1132 |
| .151 | -.1424 | -.0649 | -.0774 |
| .060 | -.1036 | -.1430 | 0.0394 |
| .012 | 0.1224 | -.1736 | 0.2960 |

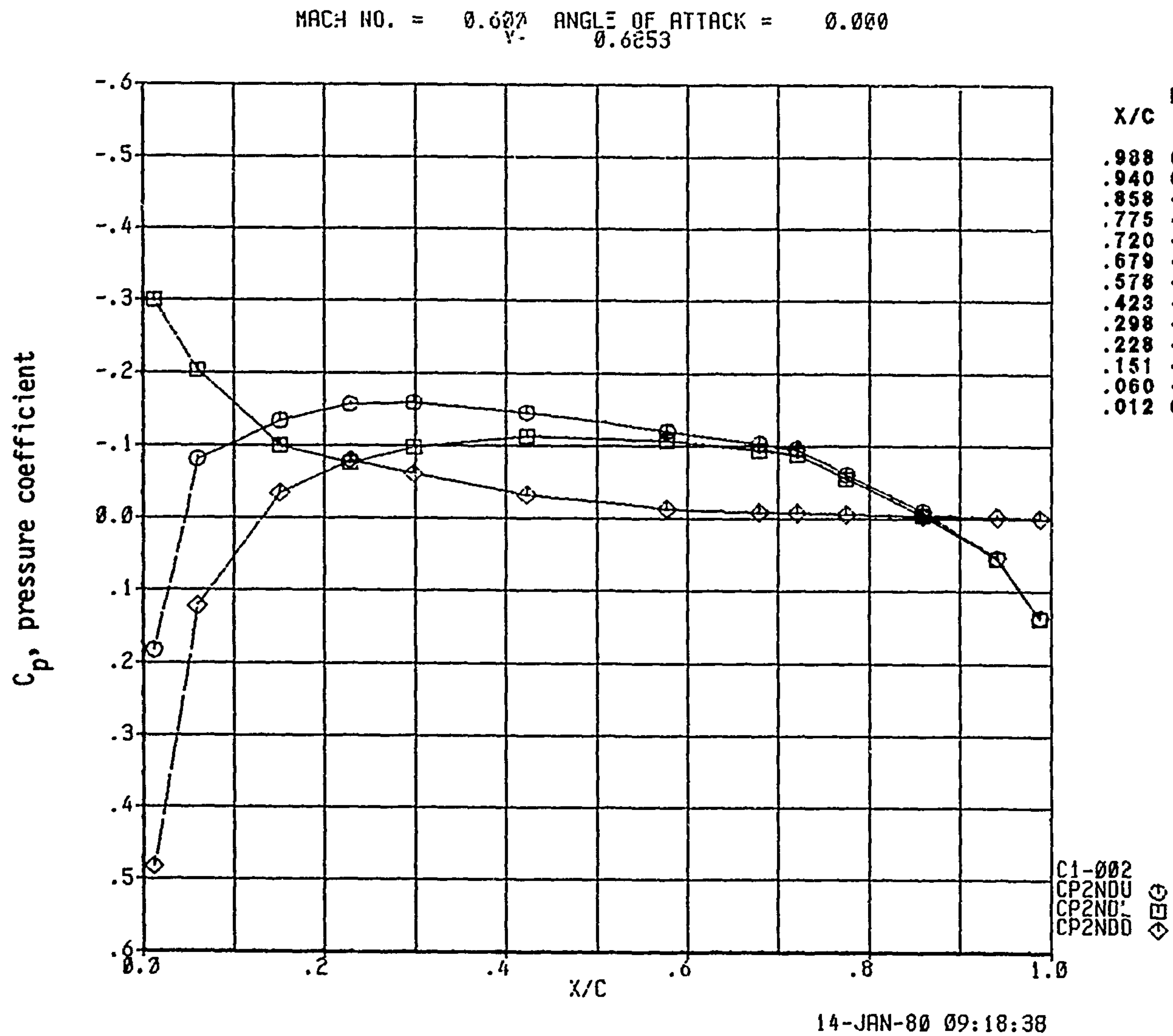
Figure 20 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.602 ANGLE OF ATTACK = -0.500
Y 0.3524



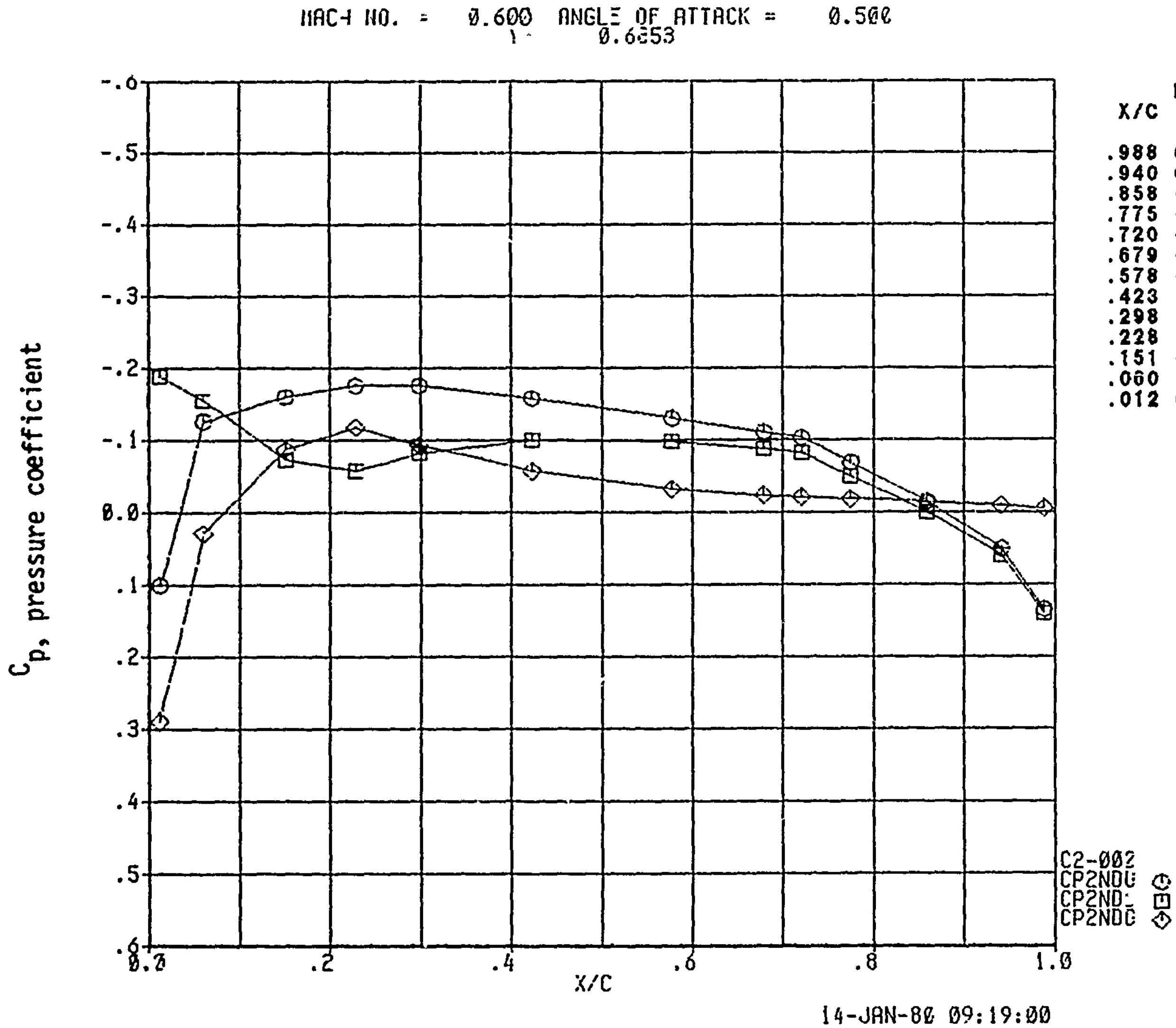

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1381 | 0.1350 | 0.0032 |
| .940 | 0.0568 | 0.0526 | 0.0042 |
| .858 | -.0051 | -.0104 | 0.0054 |
| .774 | -.0552 | -.0615 | 0.0062 |
| .720 | -.0891 | -.0955 | 0.0065 |
| .679 | -.0946 | -.1012 | 0.0066 |
| .578 | -.1094 | -.1147 | 0.0054 |
| .423 | -.1281 | -.1218 | -.0063 |
| .298 | -.1347 | -.1064 | -.0282 |
| .228 | -.1270 | -.0848 | -.0422 |
| .151 | -.0957 | -.1132 | 0.0175 |
| .060 | -.0294 | -.2259 | 0.1965 |
| .012 | 0.2492 | -.3557 | 0.6049 |

Figure 21 , Chordwise Pressure Distribution, Steady, Configuration 1



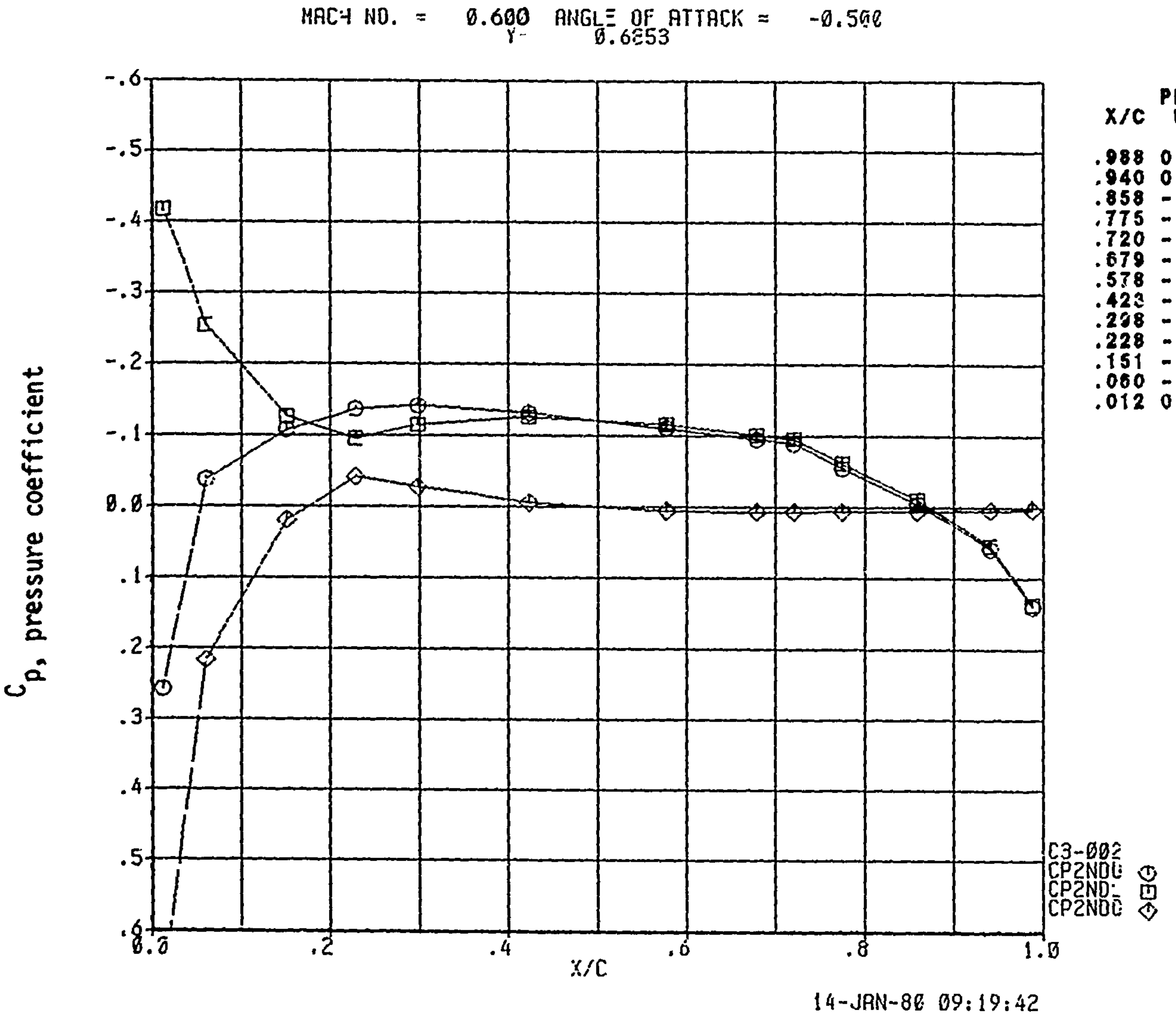

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1373 | 0.1383 | -.0010 |
| .940 | 0.0543 | 0.0567 | -.0023 |
| .858 | -.0094 | -.0052 | -.0042 |
| .775 | -.0612 | -.0551 | -.0061 |
| .720 | -.0962 | -.0888 | -.0074 |
| .679 | -.1025 | -.0941 | -.0084 |
| .578 | -.1199 | -.1067 | -.0132 |
| .423 | -.1447 | -.1133 | -.0314 |
| .298 | -.1585 | -.0981 | -.0604 |
| .228 | -.1559 | -.0764 | -.0796 |
| .151 | -.1332 | -.0993 | -.0339 |
| .060 | -.0809 | -.2034 | 0.1226 |
| .012 | 0.1819 | -.2997 | 0.4817 |

Figure 22 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1351 | 0.1404 | -.0053 |
| .940 | 0.0510 | 0.0599 | -.0089 |
| .858 | -.0142 | -.0005 | -.0138 |
| .775 | -.0675 | -.0490 | -.0184 |
| .720 | -.1032 | -.0820 | -.0212 |
| .679 | -.1101 | -.0868 | -.0233 |
| .578 | -.1293 | -.0975 | -.0318 |
| .423 | -.1577 | -.1006 | -.0572 |
| .298 | -.1752 | -.0820 | -.0931 |
| .228 | -.1753 | -.0574 | -.1179 |
| .151 | -.1596 | -.0725 | -.0871 |
| .060 | -.1257 | -.1545 | 0.0288 |
| .012 | 0.1007 | -.1889 | 0.2896 |

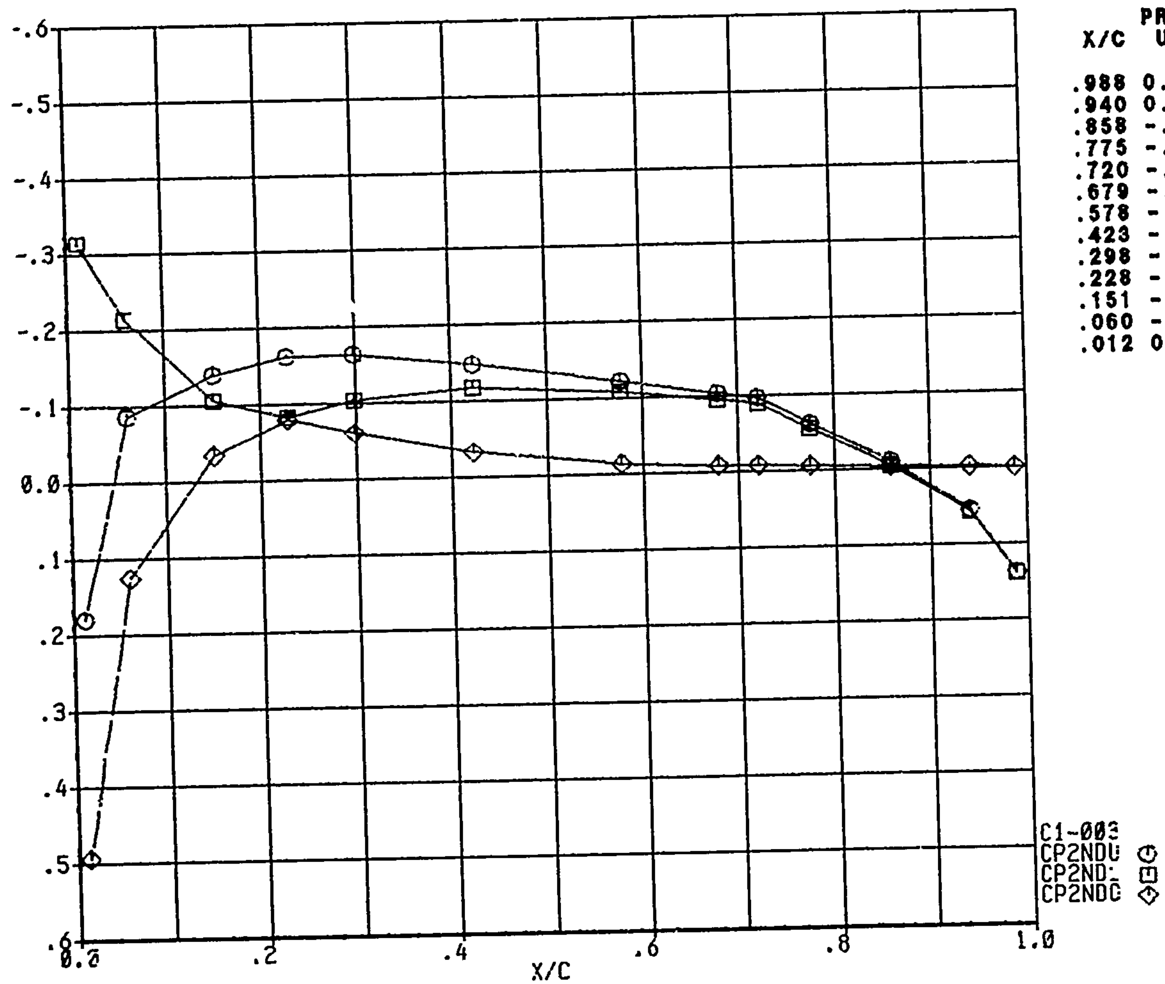
Figure 23 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1393 | 0.1362 | 0.0032 |
| .940 | 0.0575 | 0.0533 | 0.0042 |
| .858 | -.0046 | -.0100 | 0.0054 |
| .775 | -.0551 | -.0614 | 0.0063 |
| .720 | -.0893 | -.0958 | 0.0065 |
| .679 | -.0951 | -.1017 | 0.0067 |
| .578 | -.1106 | -.1162 | 0.0055 |
| .423 | -.1319 | -.1262 | -.0057 |
| .298 | -.1421 | -.1145 | -.0275 |
| .228 | -.1369 | -.0957 | -.0413 |
| .151 | -.1072 | -.1266 | 0.0193 |
| .060 | -.0372 | -.2535 | 0.2163 |
| .012 | 0.2572 | -.4166 | 0.6737 |

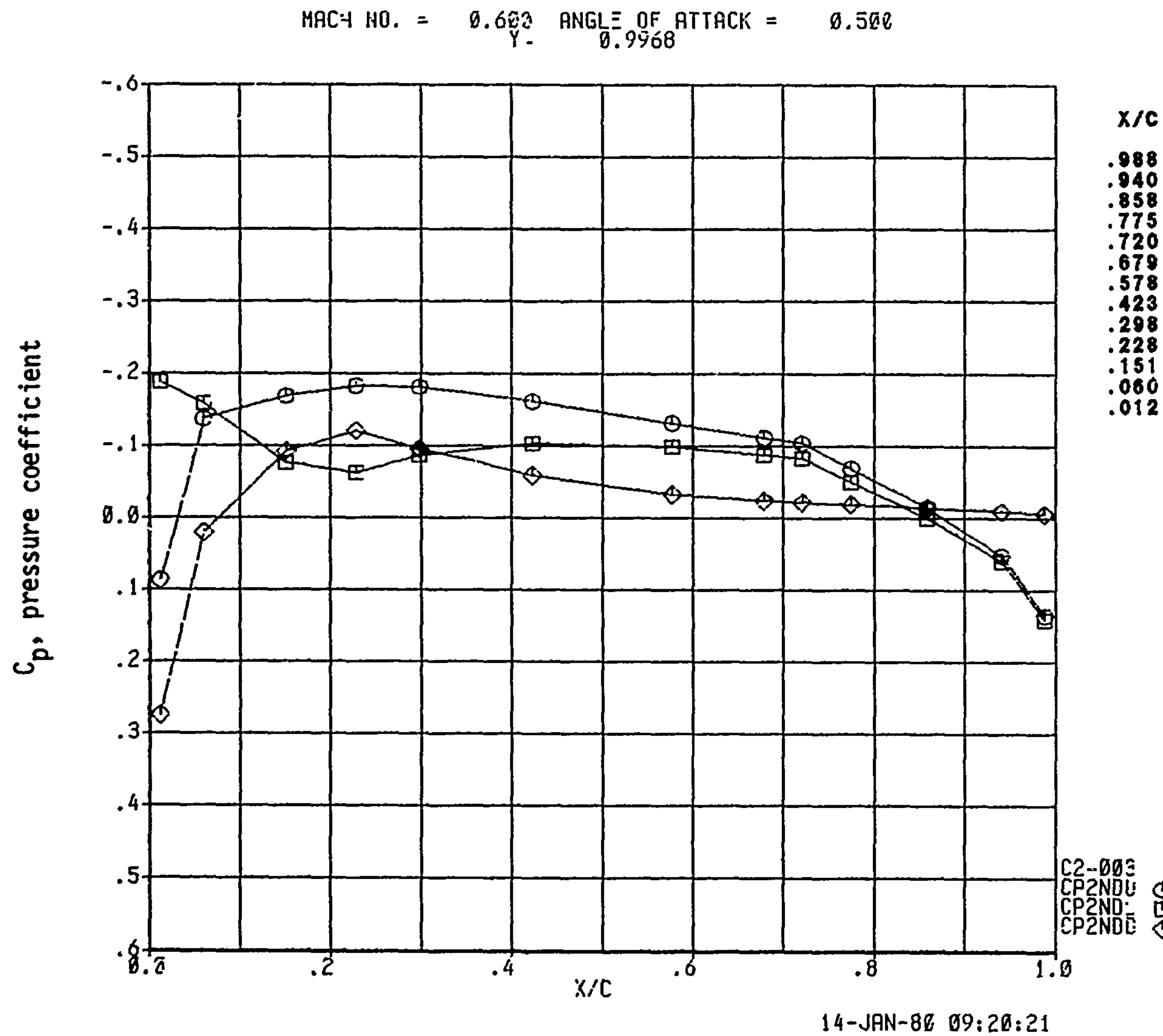
Figure 24 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1377 | 0.1388 | -.0010 |
| .940 | 0.0546 | 0.0570 | -.0024 |
| .858 | -.0094 | -.0052 | -.0042 |
| .775 | -.0617 | -.0556 | -.0062 |
| .720 | -.0970 | -.0896 | -.0075 |
| .679 | -.1037 | -.0951 | -.0085 |
| .578 | -.1217 | -.1084 | -.0133 |
| .423 | -.1481 | -.1166 | -.0316 |
| .298 | -.1636 | -.1031 | -.0605 |
| .228 | -.1619 | -.0824 | -.0795 |
| .151 | -.1396 | -.1061 | -.0335 |
| .060 | -.0865 | -.2129 | 0.1264 |
| .012 | 0.1792 | -.3139 | 0.4932 |

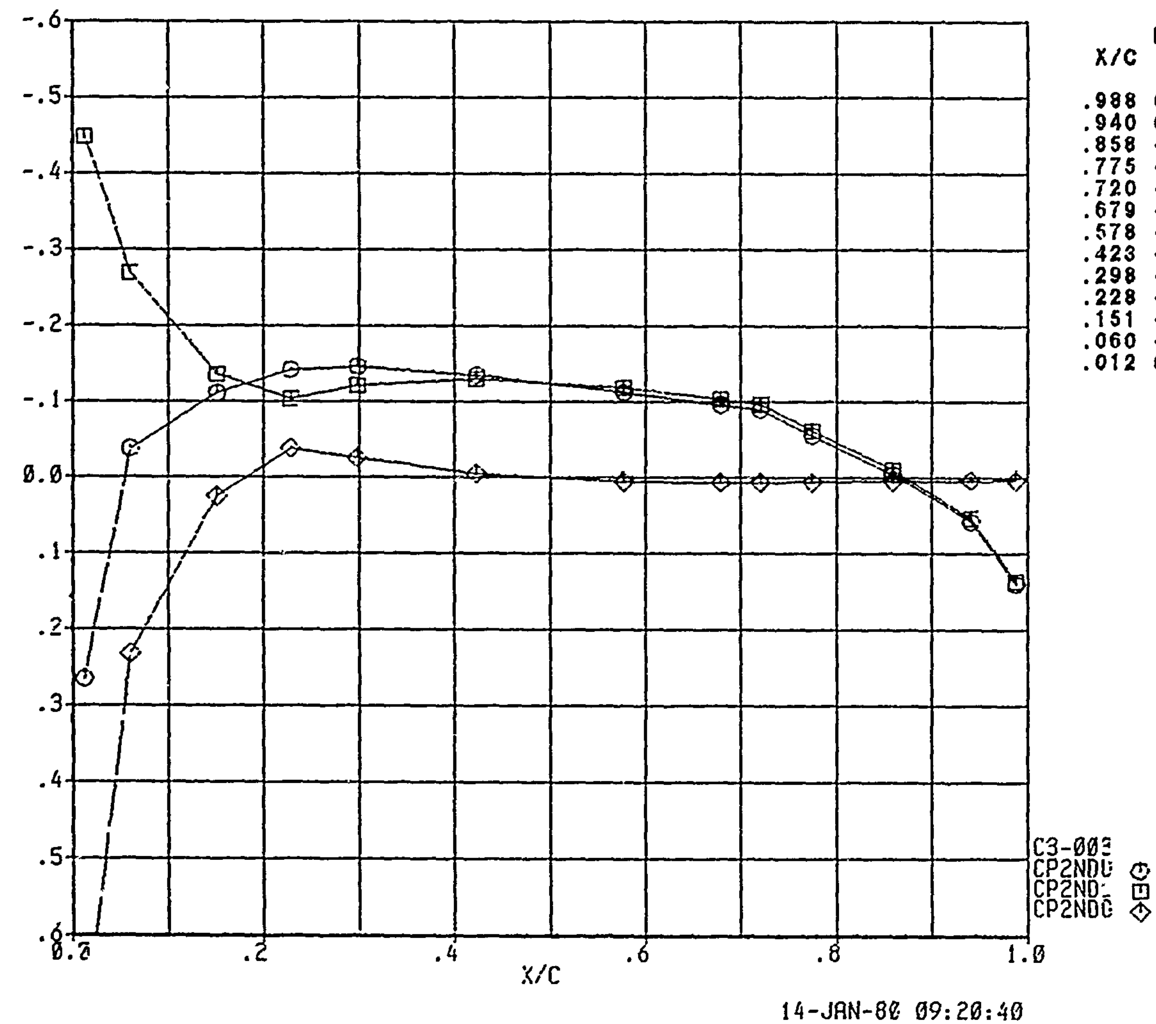
Figure 25 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1355 | 0.1408 | -.0054 |
| .940 | 0.0513 | 0.0602 | -.0090 |
| .858 | -.0143 | -.0005 | -.0138 |
| .775 | -.0680 | -.0495 | -.0185 |
| .720 | -.1041 | -.0827 | -.0215 |
| .679 | -.1113 | -.0877 | -.0236 |
| .578 | -.1313 | -.0990 | -.0323 |
| .423 | -.1617 | -.1033 | -.0584 |
| .298 | -.1814 | -.0859 | -.0955 |
| .228 | -.1828 | -.0618 | -.1210 |
| .151 | -.1688 | -.0765 | -.0922 |
| .060 | -.1372 | -.1579 | 0.0207 |
| .012 | 0.0863 | -.1881 | 0.2744 |

Figure 26 , Chordwise Pressure Distribution, Steady, Configuration 1

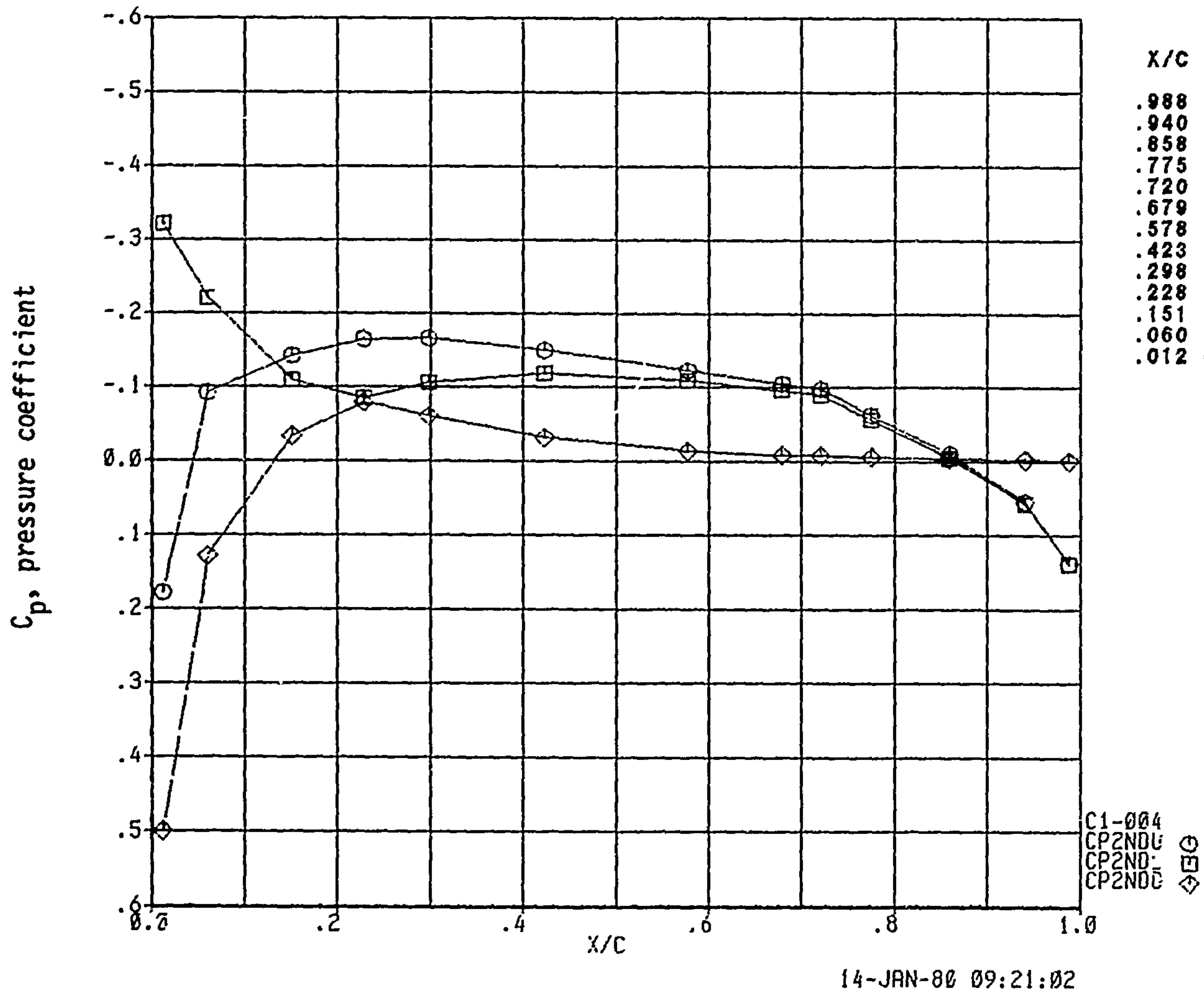
MACH NO. = 0.602 ANGLE OF ATTACK = -0.500
Y = 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1398 | 0.1366 | 0.0033 |
| .940 | 0.0578 | 0.0536 | 0.0042 |
| .858 | -.0047 | -.0101 | 0.0053 |
| .775 | -.0556 | -.0618 | 0.0062 |
| .720 | -.0901 | -.0966 | 0.0065 |
| .679 | -.0962 | -.1028 | 0.0067 |
| .578 | -.1122 | -.1181 | 0.0058 |
| .423 | -.1348 | -.1300 | -.0048 |
| .298 | -.1462 | -.1206 | -.0256 |
| .228 | -.1413 | -.1032 | -.0381 |
| .151 | -.1109 | -.1361 | 0.0252 |
| .060 | -.0374 | -.2693 | 0.2320 |
| .012 | 0.2645 | -.4474 | 0.7119 |

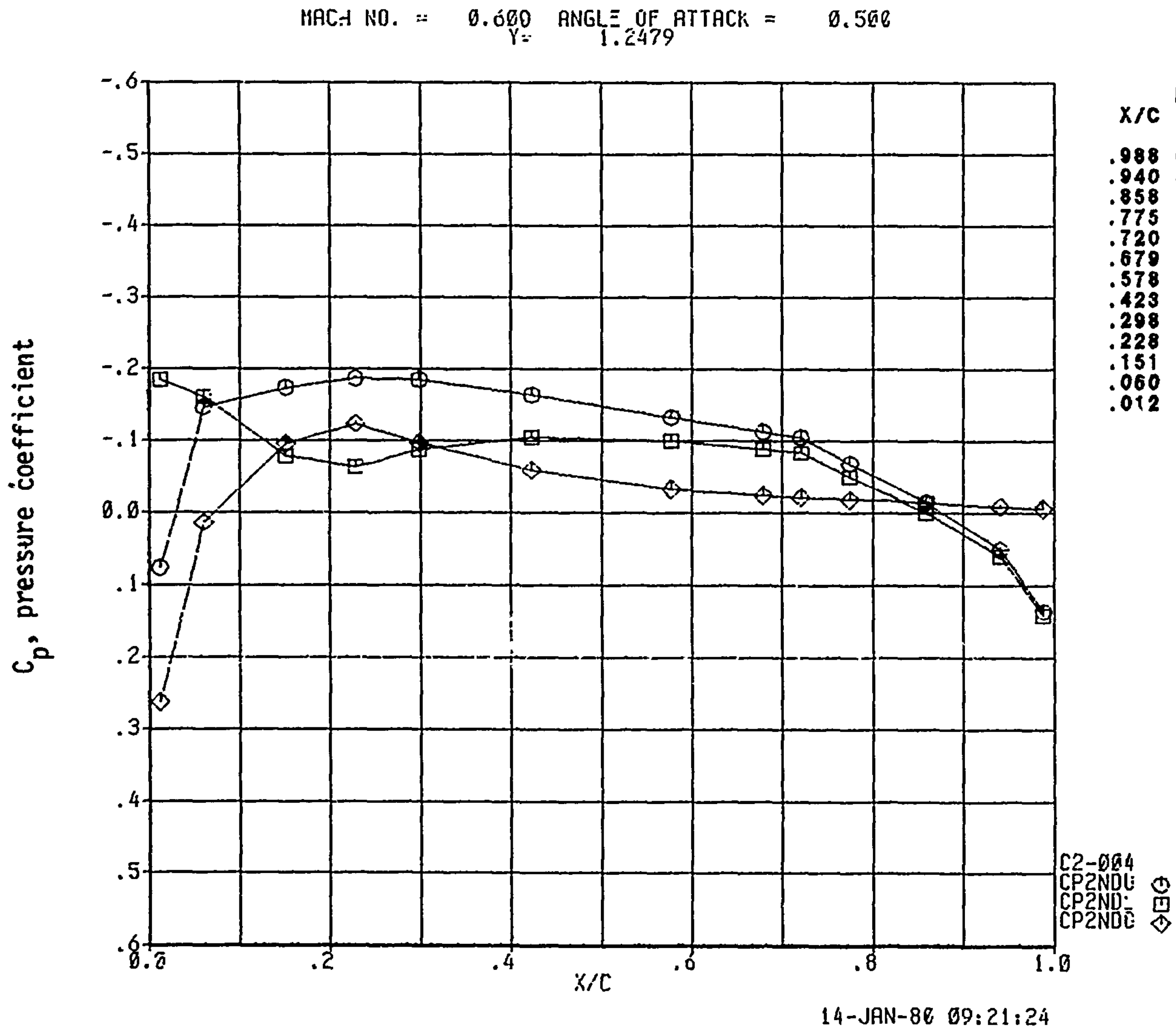
Figure 27 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1377 | 0.1388 | -.0010 |
| .940 | 0.0546 | 0.0569 | -.0023 |
| .858 | -.0096 | -.0053 | -.0042 |
| .775 | -.0620 | -.0559 | -.0062 |
| .720 | -.0976 | -.0901 | -.0075 |
| .679 | -.1044 | -.0958 | -.0086 |
| .578 | -.1227 | -.1092 | -.0135 |
| .423 | -.1501 | -.1183 | -.0318 |
| .298 | -.1662 | -.1055 | -.0607 |
| .228 | -.1646 | -.0854 | -.0793 |
| .151 | -.1424 | -.1092 | -.0332 |
| .060 | -.0917 | -.2204 | 0.1287 |
| .012 | 0.1777 | -.3216 | 0.4993 |

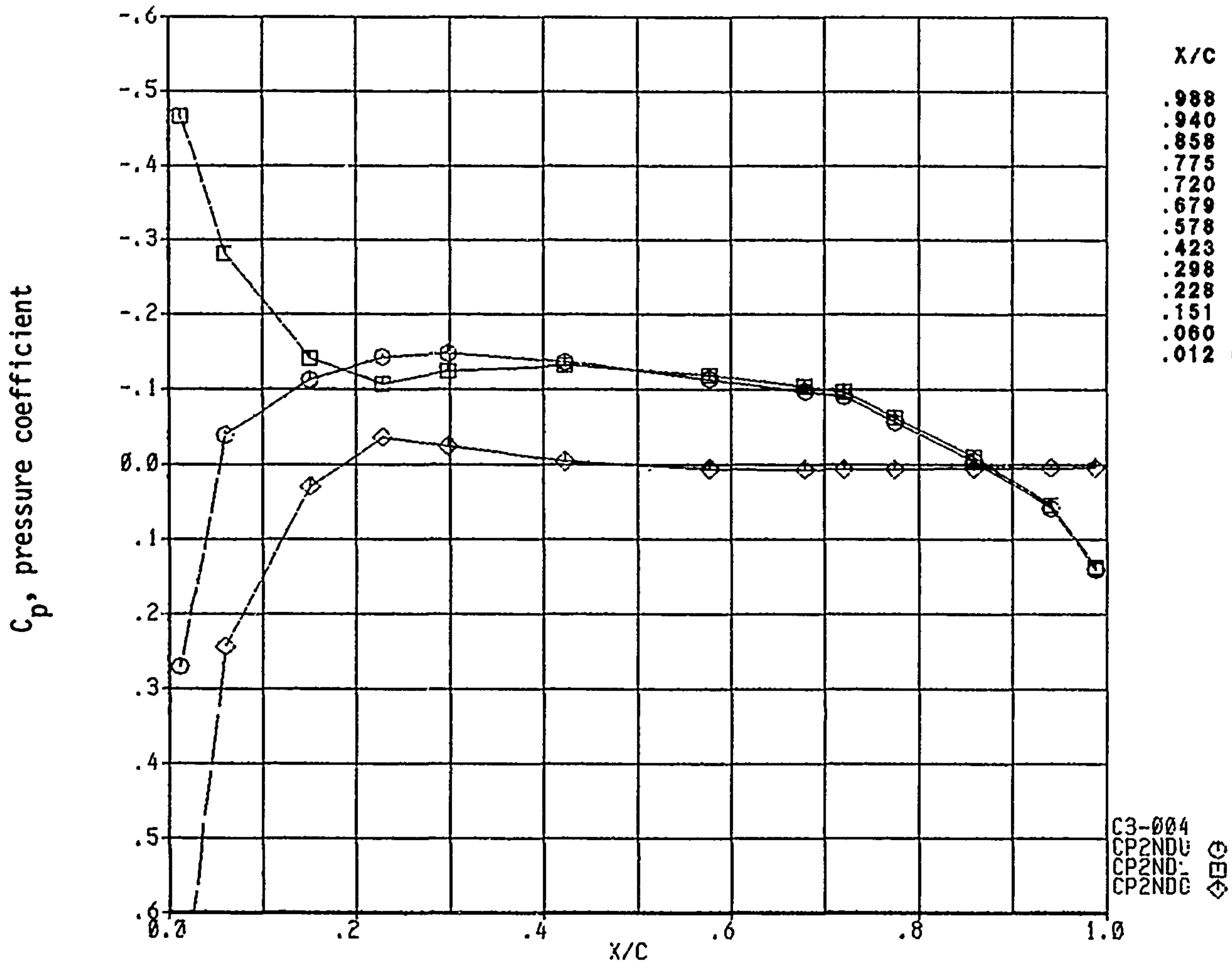
Figure 28 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1355 | 0.1409 | -.0054 |
| .940 | 0.0512 | 0.0601 | -.0088 |
| .858 | -.0143 | -.0007 | -.0136 |
| .775 | -.0683 | -.0499 | -.0183 |
| .720 | -.1045 | -.0833 | -.0213 |
| .679 | -.1119 | -.0884 | -.0235 |
| .578 | -.1323 | -.0999 | -.0324 |
| .423 | -.1639 | -.1049 | -.0591 |
| .298 | -.1847 | -.0876 | -.0970 |
| .228 | -.1867 | -.0638 | -.1230 |
| .151 | -.1735 | -.0779 | -.0957 |
| .060 | -.1465 | -.1612 | 0.0147 |
| .012 | 0.0765 | -.1852 | 0.2617 |

Figure 29 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = -0.500
Y= 1.2479

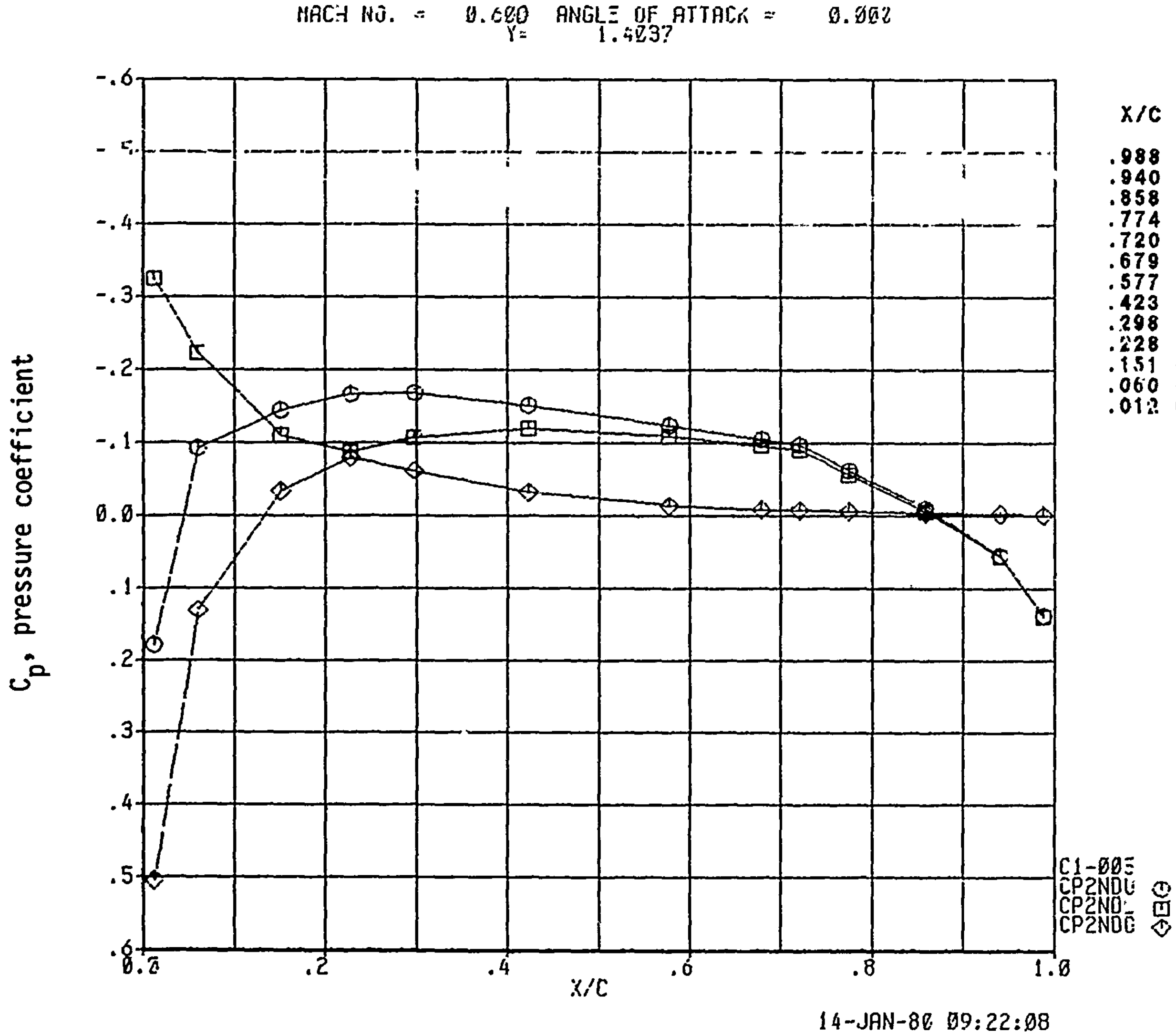



PRESSURE COEFFICIENT

| X/C | UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1398 | 0.1365 | 0.0033 |
| .940 | 0.0577 | 0.0536 | 0.0041 |
| .858 | -.0049 | -.0101 | 0.0051 |
| .775 | -.0561 | -.0621 | 0.0060 |
| .720 | -.0908 | -.0970 | 0.0062 |
| .679 | -.0970 | -.1034 | 0.0064 |
| .578 | -.1133 | -.1189 | 0.0055 |
| .423 | -.1365 | -.1320 | -.0044 |
| .298 | -.1481 | -.1236 | -.0244 |
| .228 | -.1430 | -.1073 | -.0357 |
| .151 | -.1119 | -.1413 | 0.0293 |
| .060 | -.0387 | -.2814 | 0.2428 |
| .012 | 0.2699 | -.4668 | 0.7368 |

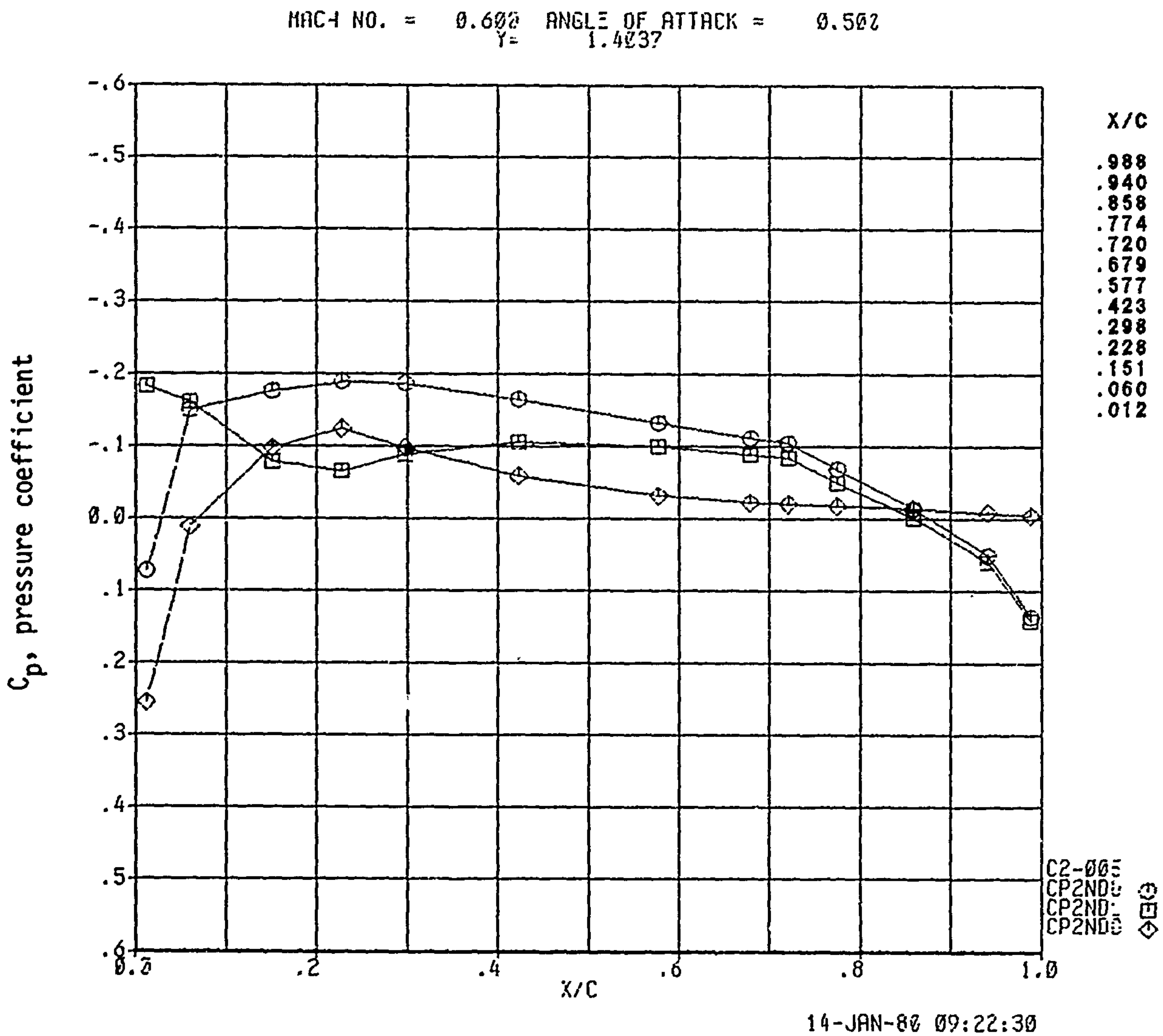
14-JAN-80 09:21:45

Figure 30 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1376 | 0.1386 | -.0010 |
| .940 | 0.0545 | 0.0568 | -.0023 |
| .858 | -.0096 | -.0054 | -.0041 |
| .774 | -.0621 | -.0561 | -.0061 |
| .720 | -.0977 | -.0902 | -.0074 |
| .679 | -.1045 | -.0960 | -.0085 |
| .577 | -.1230 | -.1095 | -.0135 |
| .423 | -.1511 | -.1191 | -.0320 |
| .298 | -.1678 | -.1067 | -.0611 |
| .228 | -.1664 | -.0868 | -.0796 |
| .151 | -.1437 | -.1106 | -.0331 |
| .060 | -.0922 | -.2226 | 0.1305 |
| .012 | 0.1790 | -.3251 | 0.5041 |

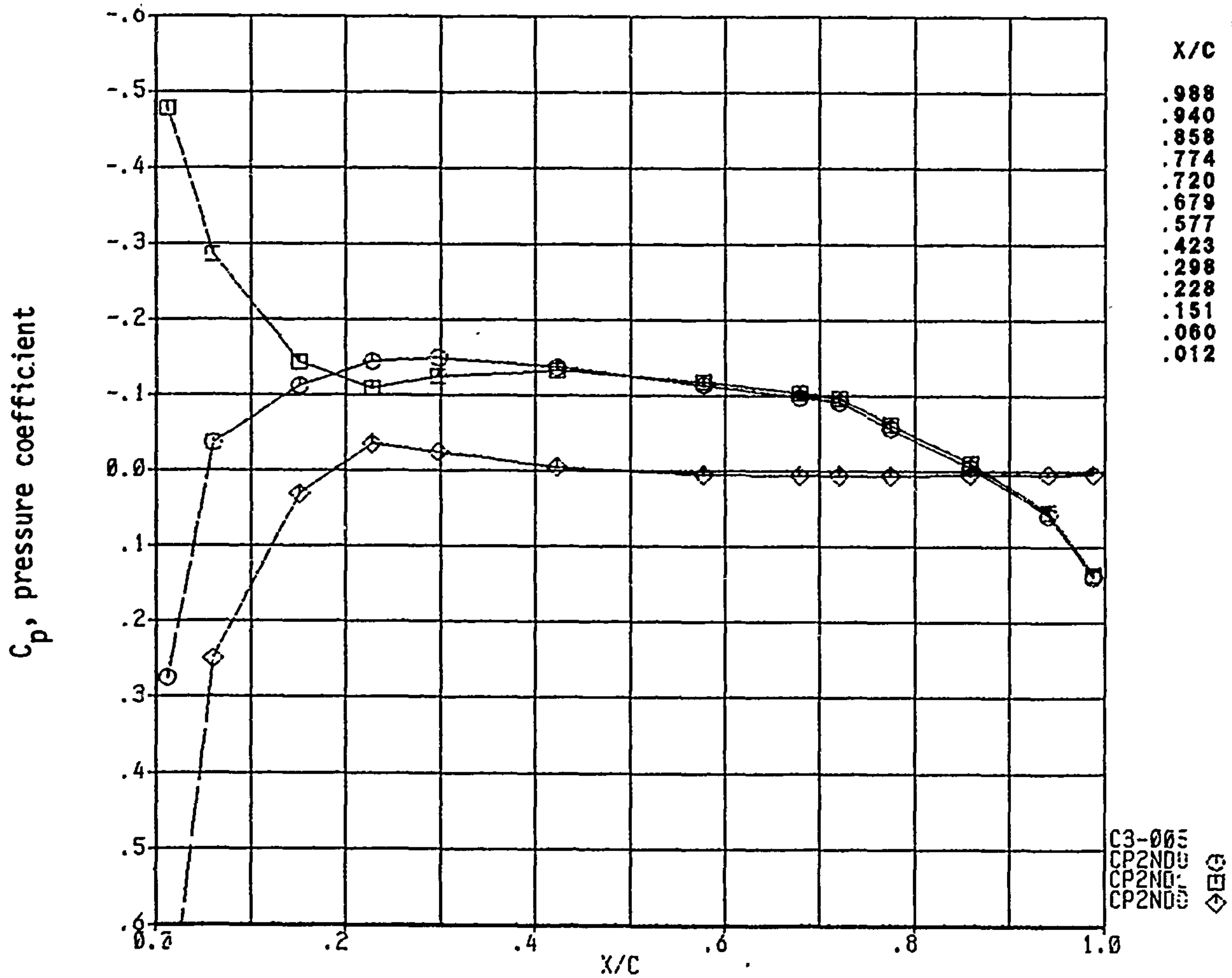
Figure 31 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1354 | 0.1407 | -.0053 |
| .940 | 0.0512 | 0.0599 | -.0087 |
| .858 | -.0142 | -.0009 | -.0134 |
| .774 | -.0681 | -.0502 | -.0178 |
| .720 | -.1044 | -.0836 | -.0207 |
| .679 | -.1118 | -.0888 | -.0229 |
| .577 | -.1324 | -.1004 | -.0320 |
| .423 | -.1648 | -.1057 | -.0591 |
| .298 | -.1864 | -.0887 | -.0978 |
| .228 | -.1888 | -.0649 | -.1240 |
| .151 | -.1759 | -.0783 | -.0975 |
| .060 | -.1494 | -.1609 | 0.0115 |
| .012 | 0.0728 | -.1823 | 0.2551 |

Figure 32 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.603 ANGLE OF ATTACK = -0.502
Y= 1.4037

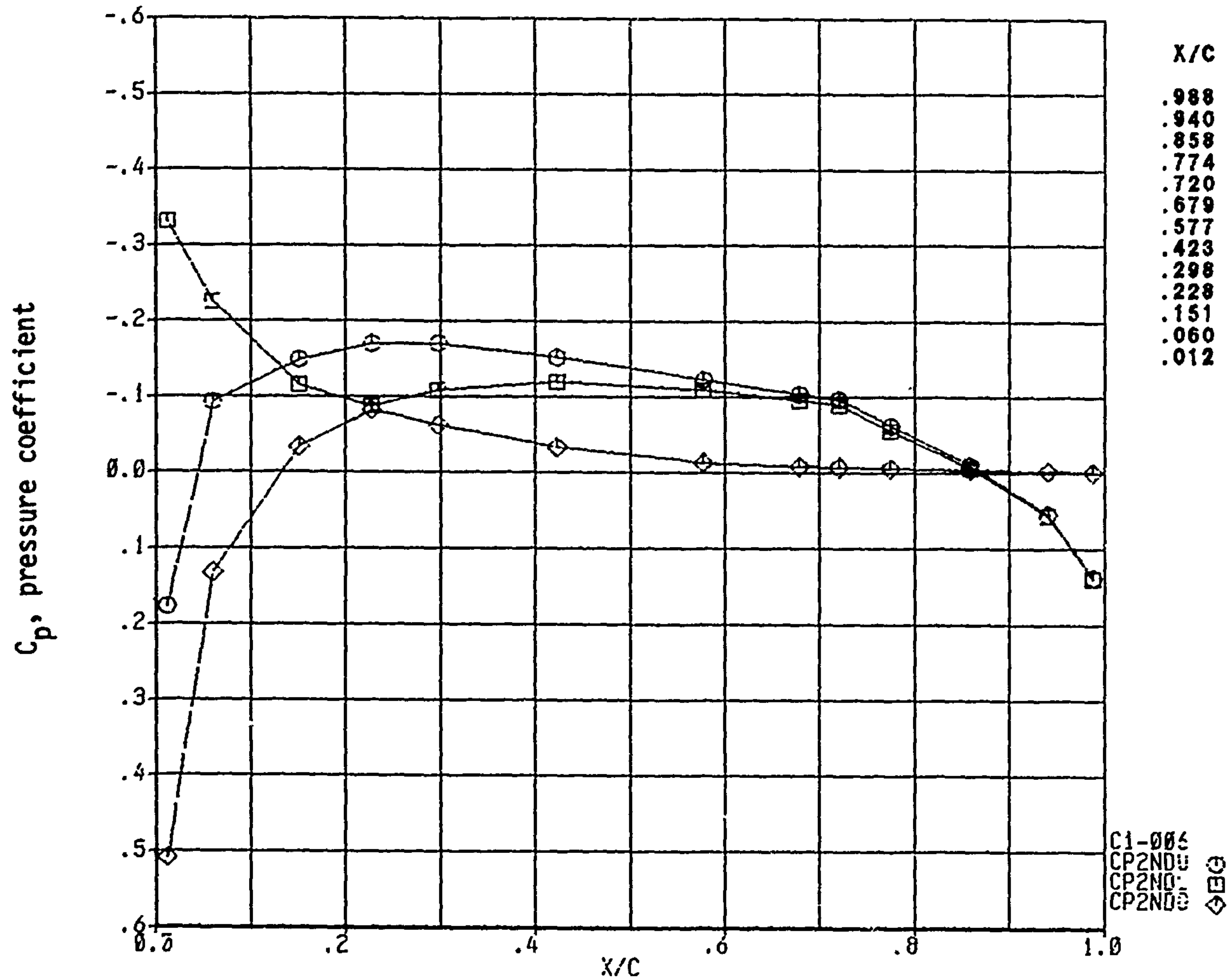



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1397 | 0.1363 | 0.0033 |
| .940 | 0.0576 | 0.0535 | 0.0041 |
| .858 | -.0051 | -.0101 | 0.0050 |
| .774 | -.0564 | -.0620 | 0.0057 |
| .720 | -.0912 | -.0970 | 0.0058 |
| .679 | -.0974 | -.1033 | 0.0059 |
| .577 | -.1139 | -.1188 | 0.0050 |
| .423 | -.1376 | -.1326 | -.0049 |
| .298 | -.1495 | -.1250 | -.0245 |
| .228 | -.1443 | -.1091 | -.0352 |
| .151 | -.1123 | -.1436 | 0.0313 |
| .060 | -.0369 | -.2863 | 0.2494 |
| .012 | 0.2755 | -.4775 | 0.7531 |

14-JAN-80 09:22:53

Figure 33 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.602 ANGLE OF ATTACK = 0.002
Y= 1.5906

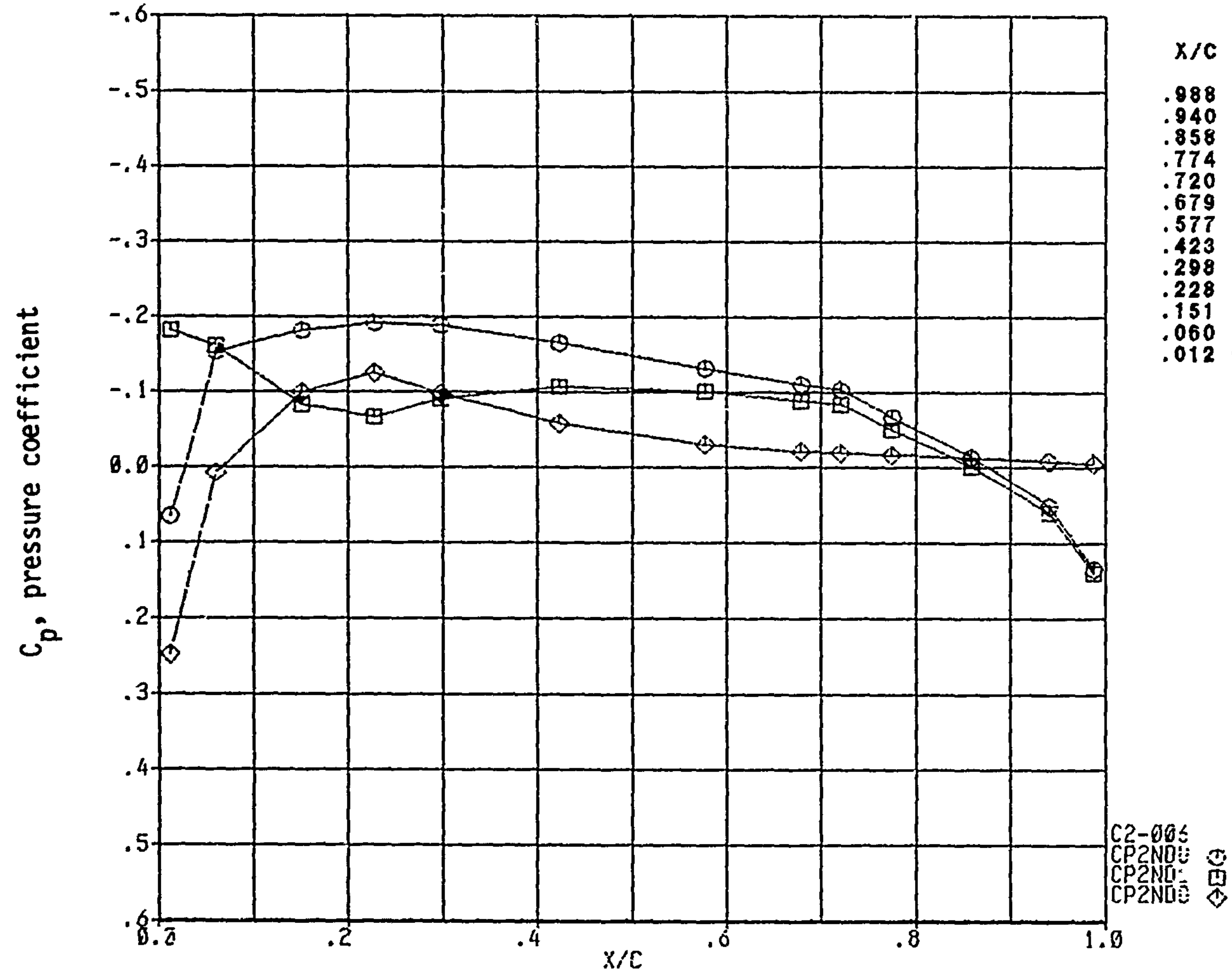



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1373 | 0.1382 | -.0009 |
| .940 | 0.0544 | 0.0565 | -.0021 |
| .858 | -.0094 | -.0055 | -.0039 |
| .774 | -.0614 | -.0556 | -.0058 |
| .720 | -.0966 | -.0895 | -.0071 |
| .679 | -.1034 | -.0953 | -.0081 |
| .577 | -.1228 | -.1096 | -.0132 |
| .423 | -.1524 | -.1198 | -.0326 |
| .298 | -.1701 | -.1080 | -.0622 |
| .228 | -.1695 | -.0878 | -.0818 |
| .151 | -.1483 | -.1150 | -.0333 |
| .060 | -.0931 | -.2248 | 0.1317 |
| .012 | 0.1769 | -.3310 | 0.5080 |

14-JAN-80 09:23:19

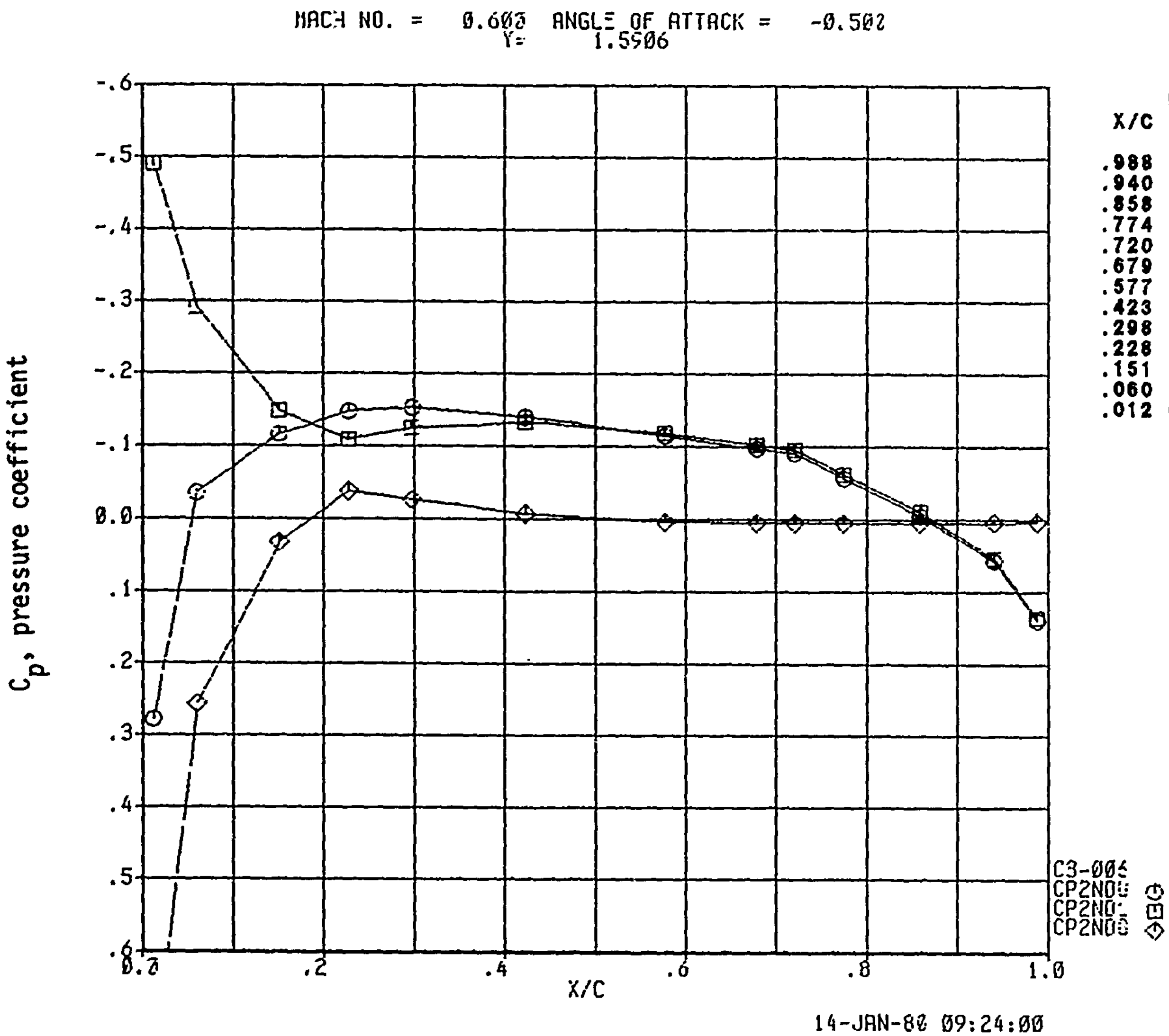
Figure 34 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.502
Y= 1.5906



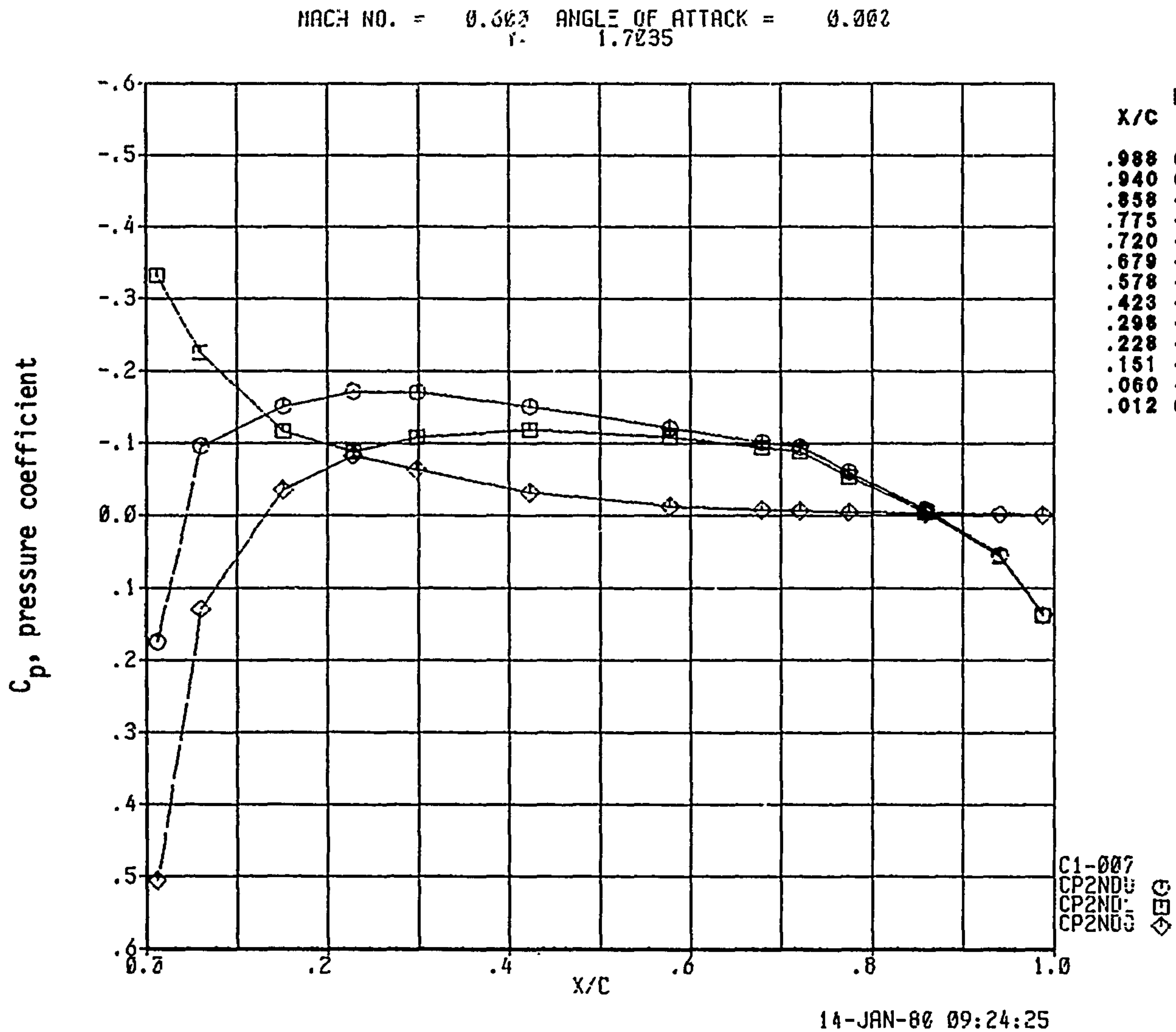

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1351 | 0.1403 | -.0052 |
| .940 | 0.0512 | 0.0595 | -.0082 |
| .858 | -.0137 | -.0013 | -.0124 |
| .774 | -.0669 | -.0503 | -.0166 |
| .720 | -.1029 | -.0836 | -.0192 |
| .679 | -.1101 | -.0888 | -.0212 |
| .577 | -.1314 | -.1013 | -.0301 |
| .423 | -.1654 | -.1072 | -.0582 |
| .298 | -.1883 | -.0906 | -.0977 |
| .228 | -.1916 | -.0662 | -.1255 |
| .151 | -.1811 | -.0821 | -.0990 |
| .060 | -.1529 | -.1604 | 0.0075 |
| .012 | 0.0654 | -.1817 | 0.2470 |

Figure 35 , Chordwise Pressure Distribution, Steady, Configuration 1



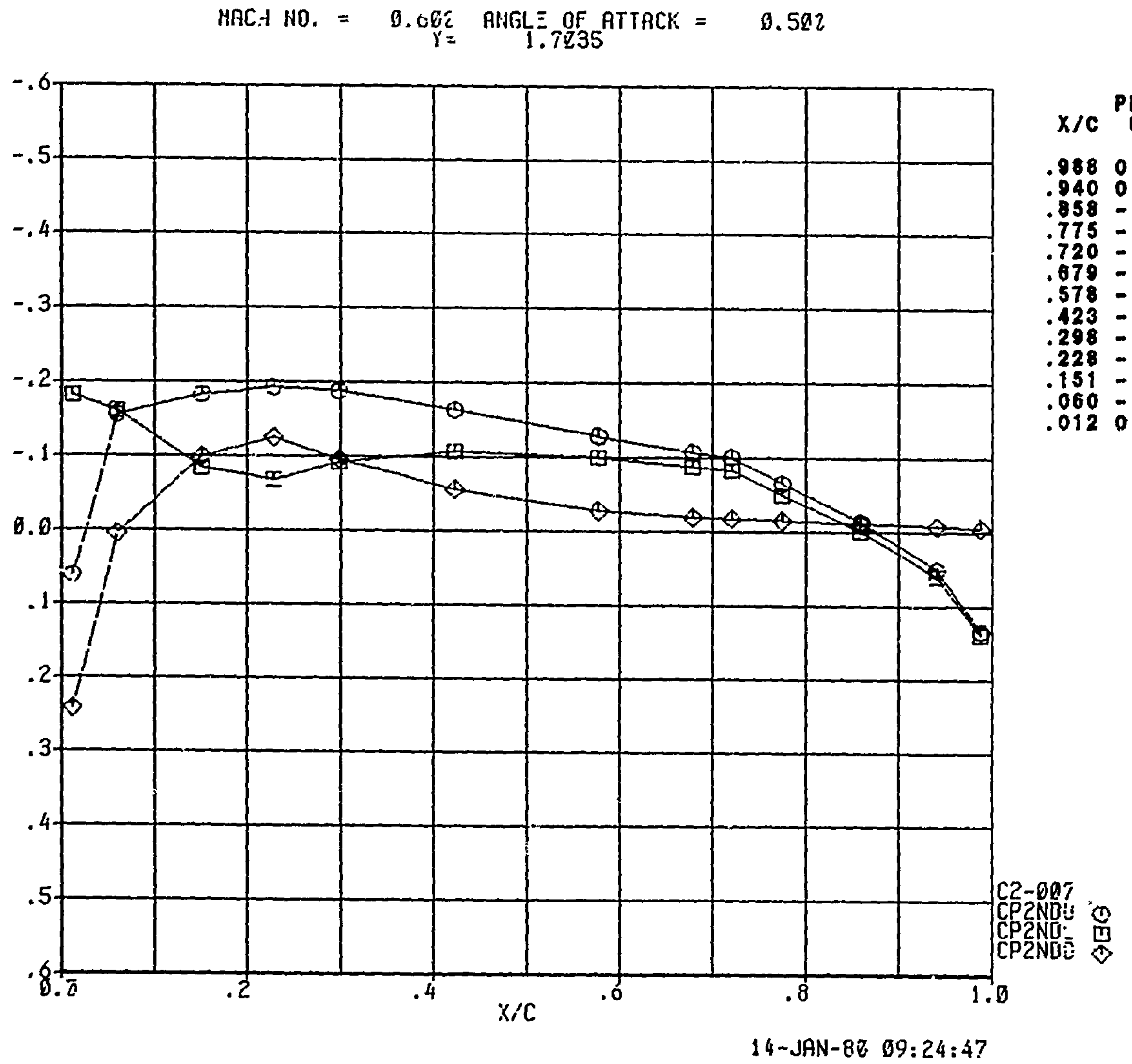

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1393 | 0.1359 | 0.0034 |
| .940 | 0.0573 | 0.0533 | 0.0040 |
| .858 | -.0052 | -.0099 | 0.0046 |
| .774 | -.0561 | -.0612 | 0.0050 |
| .720 | -.0907 | -.0957 | 0.0050 |
| .679 | -.0970 | -.1019 | 0.0050 |
| .577 | -.1145 | -.1182 | 0.0037 |
| .423 | -.1397 | -.1327 | -.0069 |
| .298 | -.1523 | -.1258 | -.0265 |
| .228 | -.1478 | -.1098 | -.0379 |
| .151 | -.1163 | -.1487 | 0.0324 |
| .060 | -.0353 | -.2913 | 0.2559 |
| .012 | 0.2780 | -.4909 | 0.7688 |

Figure 36 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1368 | 0.1376 | -.0008 |
| .940 | 0.0541 | 0.0561 | -.0019 |
| .858 | -.0088 | -.0053 | -.0035 |
| .775 | -.0600 | -.0547 | -.0053 |
| .720 | -.0948 | -.0883 | -.0065 |
| .679 | -.1012 | -.0938 | -.0075 |
| .578 | -.1202 | -.1077 | -.0126 |
| .423 | -.1508 | -.1184 | -.0324 |
| .298 | -.1710 | -.1079 | -.0631 |
| .228 | -.1716 | -.0886 | -.0830 |
| .151 | -.1508 | -.1155 | -.0354 |
| .060 | -.0958 | -.2252 | 0.1295 |
| .012 | 0.1735 | -.3322 | 0.5058 |

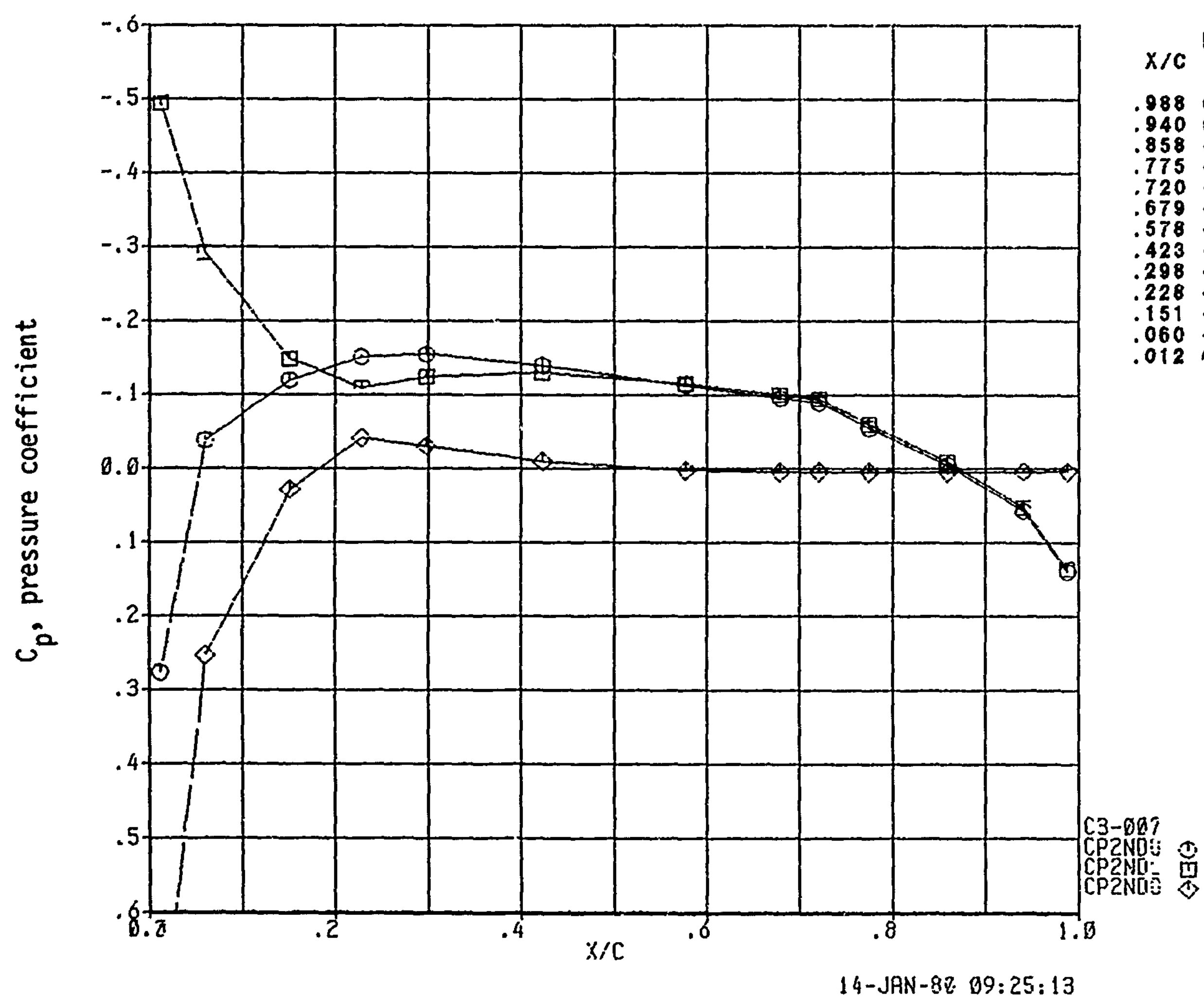
Figure 37 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1345 | 0.1396 | -.0051 |
| .940 | 0.0510 | 0.0589 | -.0078 |
| .858 | -.0129 | -.0015 | -.0115 |
| .775 | -.0652 | -.0499 | -.0152 |
| .720 | -.1005 | -.0829 | -.0176 |
| .679 | -.1073 | -.0880 | -.0193 |
| .578 | -.1280 | -.1003 | -.0276 |
| .423 | -.1625 | -.1071 | -.0554 |
| .298 | -.1878 | -.0918 | -.0959 |
| .228 | -.1926 | -.0681 | -.1246 |
| .151 | -.1827 | -.0835 | -.0992 |
| .060 | -.1556 | -.1608 | 0.0052 |
| .012 | 0.0606 | -.1811 | 0.2416 |

Figure 38 , Chordwise Pressure Distribution, Steady, Configuration 1

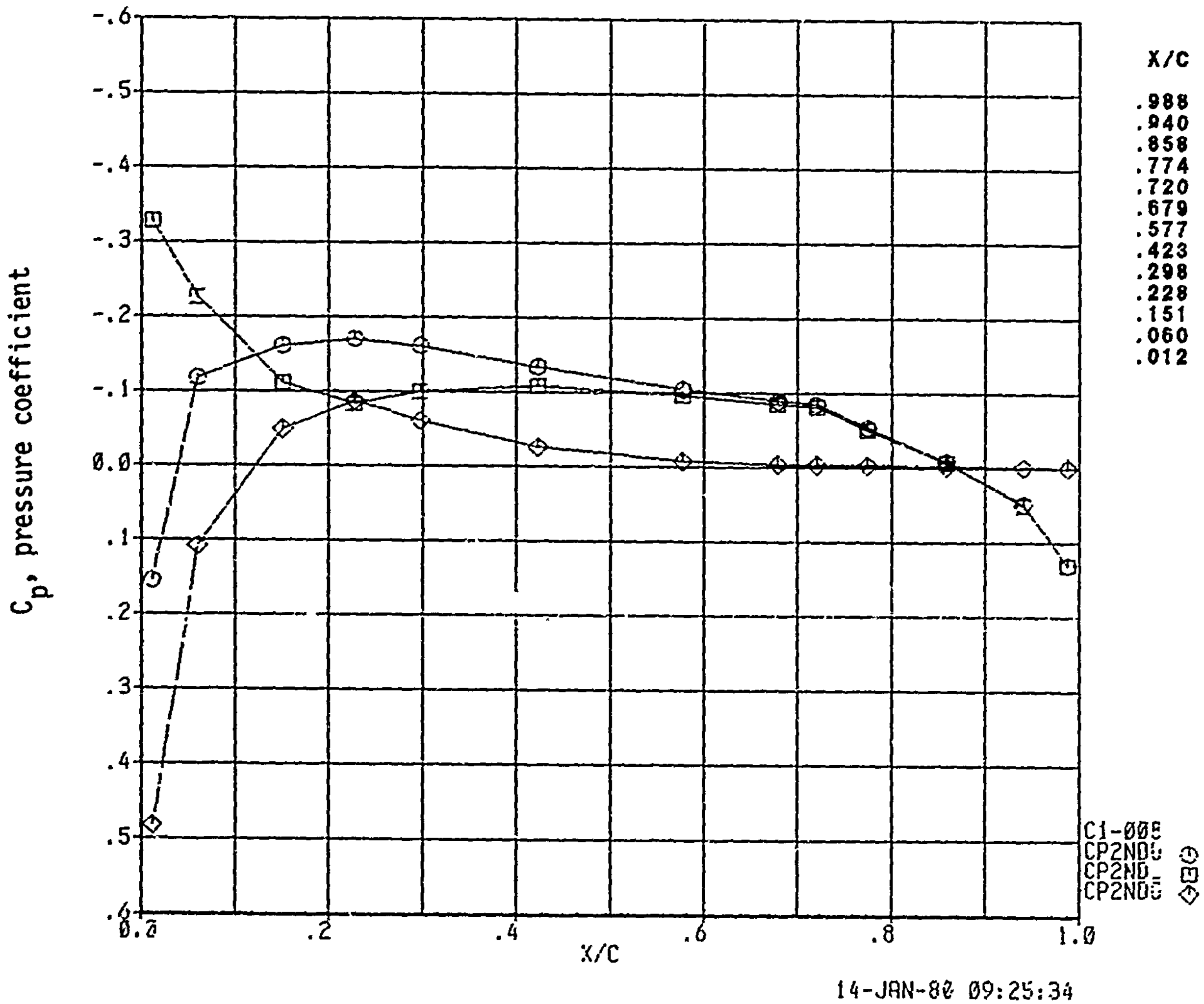
MACH NO. = 0.60% ANGLE OF ATTACK = -0.50%
Y= 1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1387 | 0.1352 | 0.0035 |
| .940 | 0.0569 | 0.0529 | 0.0040 |
| .858 | -.0050 | -.0095 | 0.0044 |
| .775 | -.0552 | -.0600 | 0.0047 |
| .720 | -.0895 | -.0940 | 0.0045 |
| .679 | -.0955 | -.0999 | 0.0043 |
| .578 | -.1129 | -.1154 | 0.0025 |
| .423 | -.1394 | -.1300 | -.0094 |
| .298 | -.1546 | -.1244 | -.0302 |
| .228 | -.1510 | -.1095 | -.0415 |
| .151 | -.1198 | -.1482 | 0.0285 |
| .060 | -.0381 | -.2917 | 0.2536 |
| .012 | 0.2759 | -.4941 | 0.7700 |

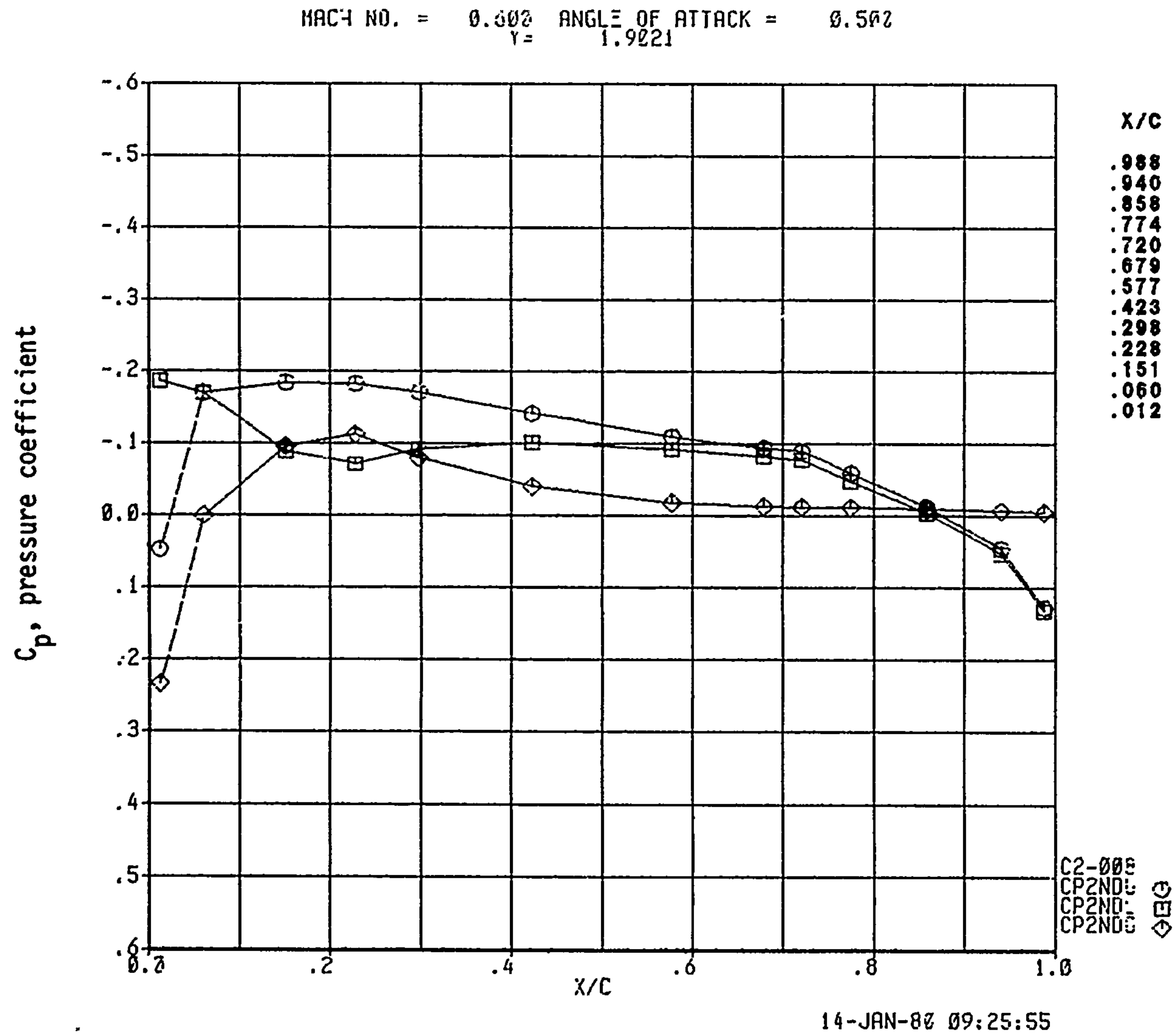
Figure 39 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.602 ANGLE OF ATTACK = 0.002
Y= 1.9021



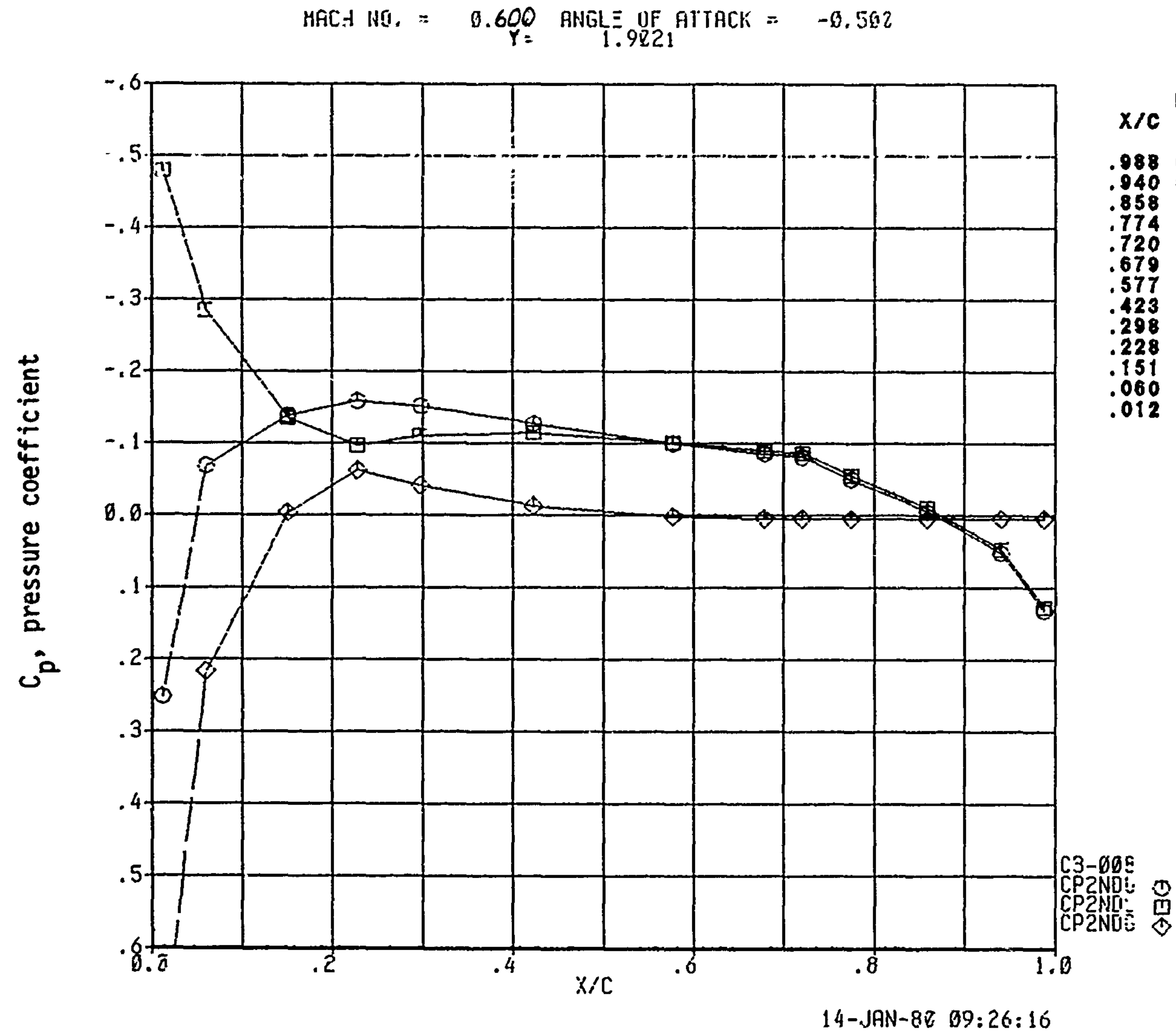

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1301 | 0.1304 | -.0003 |
| .940 | 0.0491 | 0.0502 | -.0010 |
| .858 | -.0085 | -.0065 | -.0019 |
| .774 | -.0536 | -.0506 | -.0030 |
| .720 | -.0850 | -.0814 | -.0037 |
| .679 | -.0892 | -.0851 | -.0041 |
| .577 | -.1038 | -.0963 | -.0076 |
| .423 | -.1337 | -.1074 | -.0263 |
| .298 | -.1609 | -.1004 | -.0604 |
| .228 | -.1702 | -.0833 | -.0869 |
| .151 | -.1610 | -.1114 | -.0497 |
| .060 | -.1181 | -.2264 | 0.1083 |
| .012 | 0.1539 | -.3276 | 0.4815 |

Figure 40 , Chordwise Pressure Distribution, Steady, Configuration 1



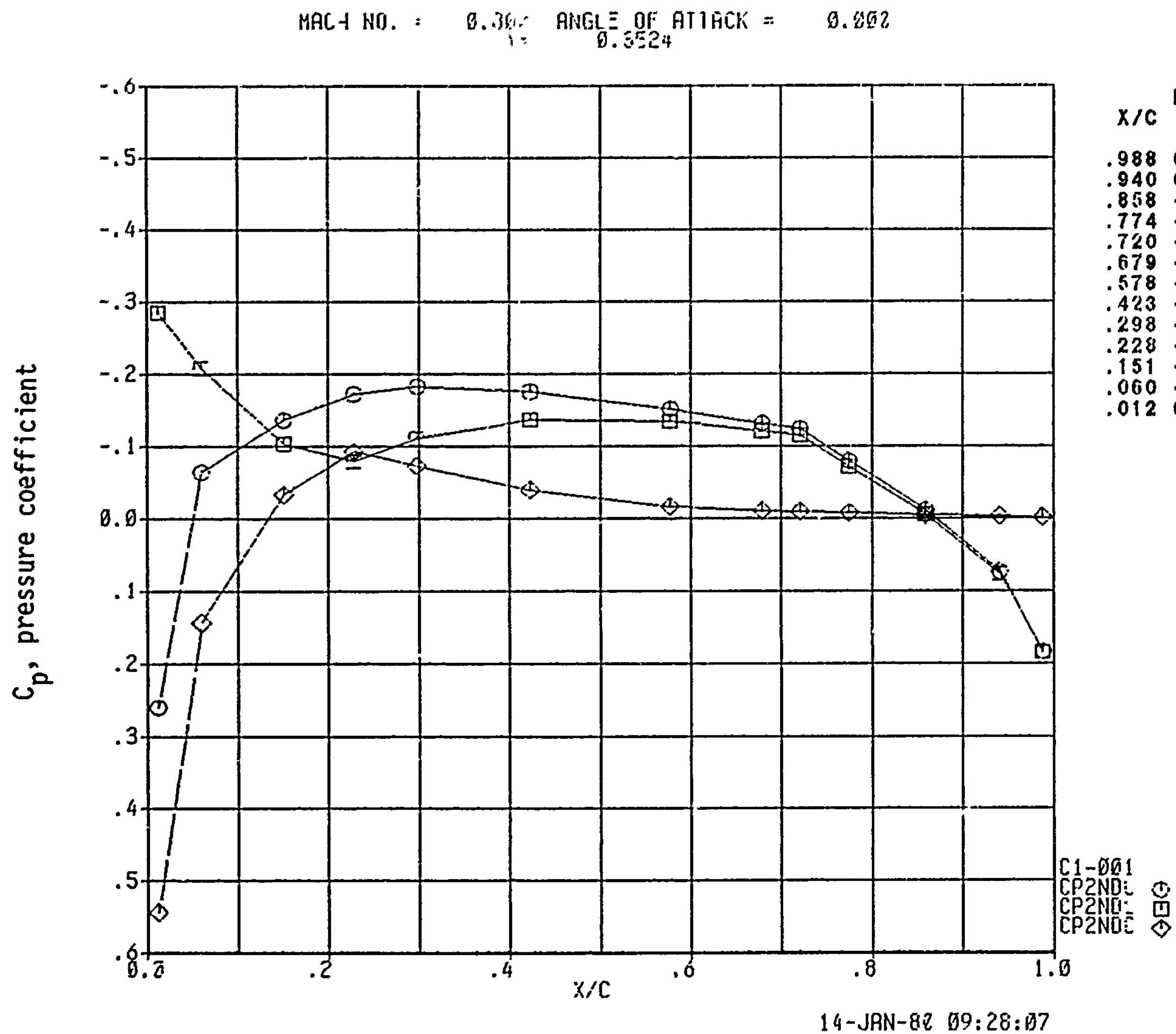

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1273 | 0.1325 | -.0052 |
| .940 | 0.0459 | 0.0527 | -.0068 |
| .858 | -.0123 | -.0033 | -.0090 |
| .774 | -.0580 | -.0469 | -.0111 |
| .720 | -.0895 | -.0774 | -.0121 |
| .679 | -.0938 | -.0811 | -.0127 |
| .577 | -.1090 | -.0916 | -.0174 |
| .423 | -.1407 | -.1008 | -.0399 |
| .298 | -.1706 | -.0912 | -.0795 |
| .228 | -.1829 | -.0709 | -.1120 |
| .151 | -.1838 | -.0882 | -.0956 |
| .060 | -.1699 | -.1704 | 0.0006 |
| .012 | 0.0473 | -.1859 | 0.2333 |

Figure 41 , Chordwise Pressure Distribution, Steady, Configuration 1



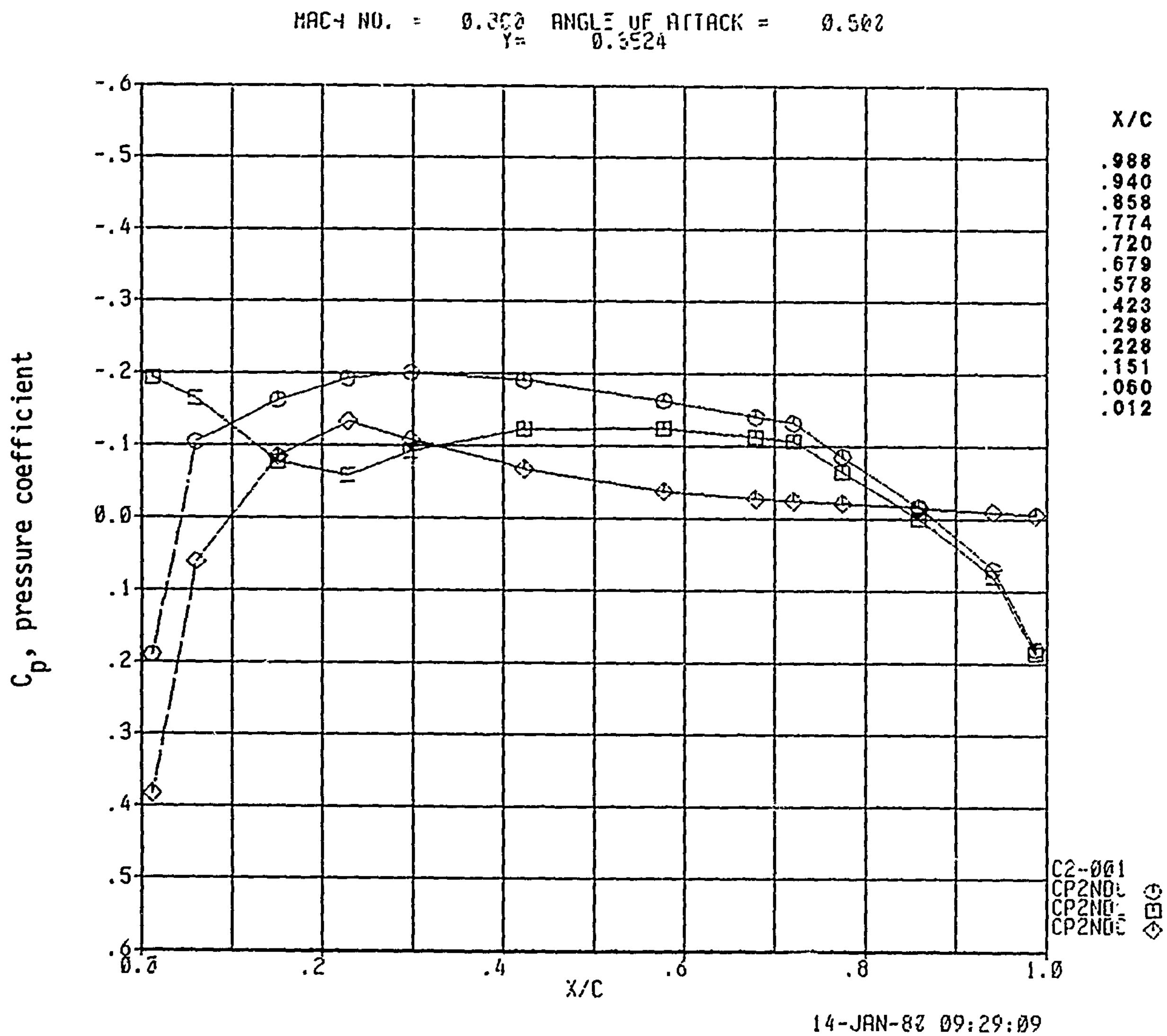

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1320 | 0.1274 | 0.0046 |
| .940 | 0.0515 | 0.0467 | 0.0048 |
| .858 | -.0055 | -.0105 | 0.0051 |
| .774 | -.0501 | -.0552 | 0.0051 |
| .720 | -.0813 | -.0860 | 0.0047 |
| .679 | -.0854 | -.0899 | 0.0045 |
| .577 | -.0994 | -.1017 | 0.0022 |
| .423 | -.1274 | -.1146 | -.0127 |
| .298 | -.1517 | -.1104 | -.0413 |
| .228 | -.1581 | -.0963 | -.0619 |
| .151 | -.1390 | -.1352 | -.0038 |
| .060 | -.0682 | -.2842 | 0.2160 |
| .012 | 0.2508 | -.4789 | 0.7297 |

Figure 42 , Chordwise Pressure Distribution, Steady, Configuration 1



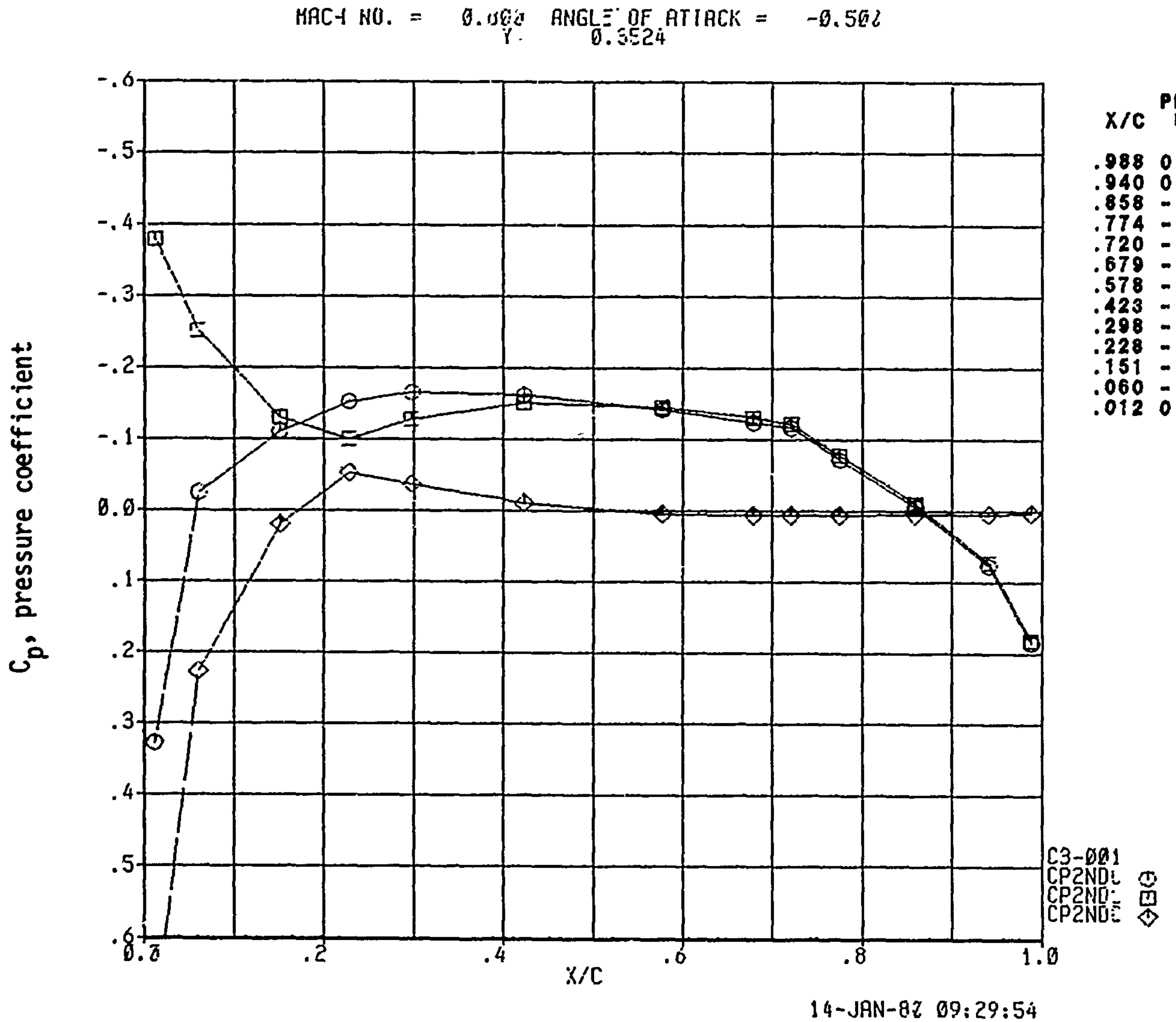

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1827 | 0.1840 | -.0013 |
| .940 | 0.0729 | 0.0758 | -.0029 |
| .858 | -.0109 | -.0056 | -.0053 |
| .774 | -.0788 | -.0711 | -.0077 |
| .720 | -.1240 | -.1146 | -.0094 |
| .679 | -.1315 | -.1209 | -.0107 |
| .578 | -.1515 | -.1346 | -.0169 |
| .423 | -.1758 | -.1366 | -.0393 |
| .298 | -.1827 | -.1101 | -.0726 |
| .228 | -.1720 | -.0789 | -.0931 |
| .151 | -.1363 | -.1036 | -.0327 |
| .060 | -.0640 | -.2076 | 0.1436 |
| .012 | 0.2597 | -.2842 | 0.5439 |

Figure 43 , Chordwise Pressure Distribution, Steady, Configuration 1



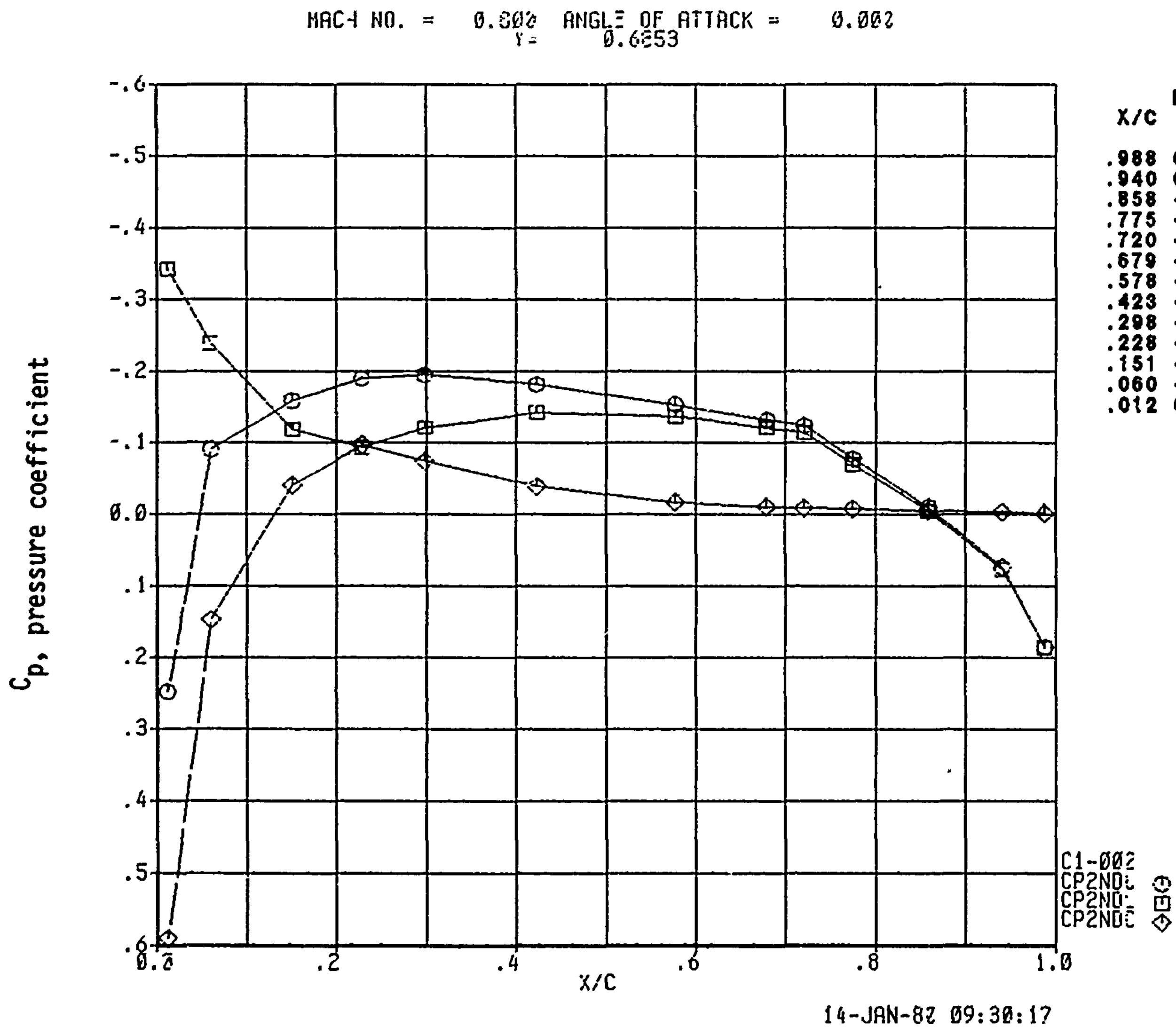

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1805 | 0.1861 | -.0056 |
| .940 | 0.0694 | 0.0791 | -.0096 |
| .858 | -.0160 | -.0007 | -.0153 |
| .774 | -.0855 | -.0645 | -.0210 |
| .720 | -.1316 | -.1072 | -.0244 |
| .679 | -.1399 | -.1127 | -.0271 |
| .578 | -.1620 | -.1244 | -.0376 |
| .423 | -.1902 | -.1225 | -.0677 |
| .298 | -.2006 | -.0926 | -.1081 |
| .228 | -.1922 | -.0588 | -.1334 |
| .151 | -.1622 | -.0771 | -.0851 |
| .060 | -.1039 | -.1643 | 0.0604 |
| .012 | 0.1896 | -.1929 | 0.3824 |

Figure 44 , Chordwise Pressure Distribution, Steady, Configuration 1



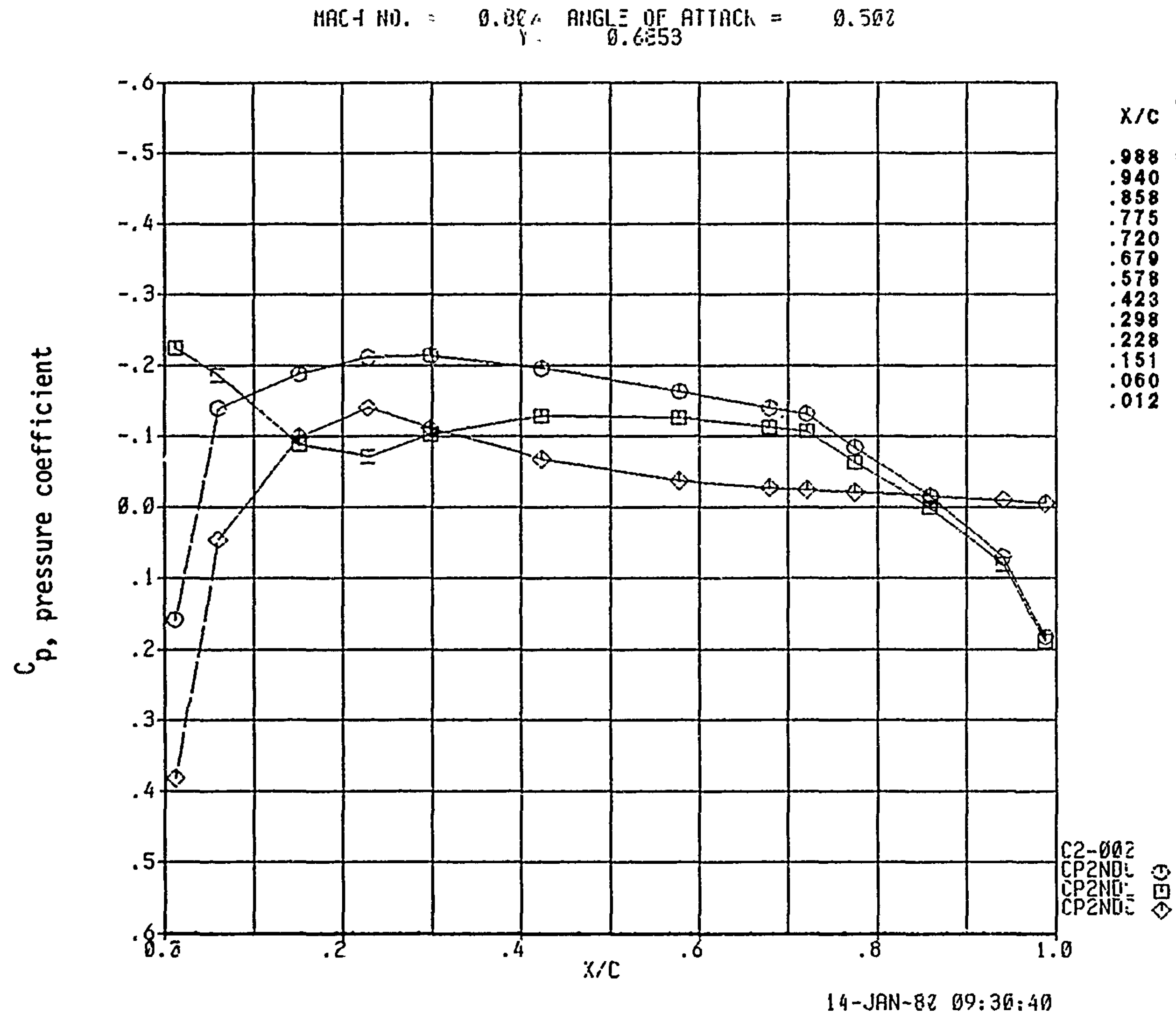

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1848 | 0.1818 | 0.0030 |
| .940 | 0.0762 | 0.0723 | 0.0039 |
| .858 | -.0059 | -.0108 | 0.0048 |
| .774 | -.0722 | -.0778 | 0.0055 |
| .720 | -.1166 | -.1222 | 0.0056 |
| .679 | -.1234 | -.1291 | 0.0057 |
| .578 | -.1413 | -.1451 | 0.0038 |
| .423 | -.1616 | -.1508 | -.0108 |
| .298 | -.1651 | -.1279 | -.0372 |
| .228 | -.1521 | -.0993 | -.0528 |
| .151 | -.1107 | -.1304 | 0.0197 |
| .060 | -.0249 | -.2515 | 0.2267 |
| .012 | 0.3267 | -.3787 | 0.7054 |

Figure 45 , Chordwise Pressure Distribution, Steady, Configuration 1



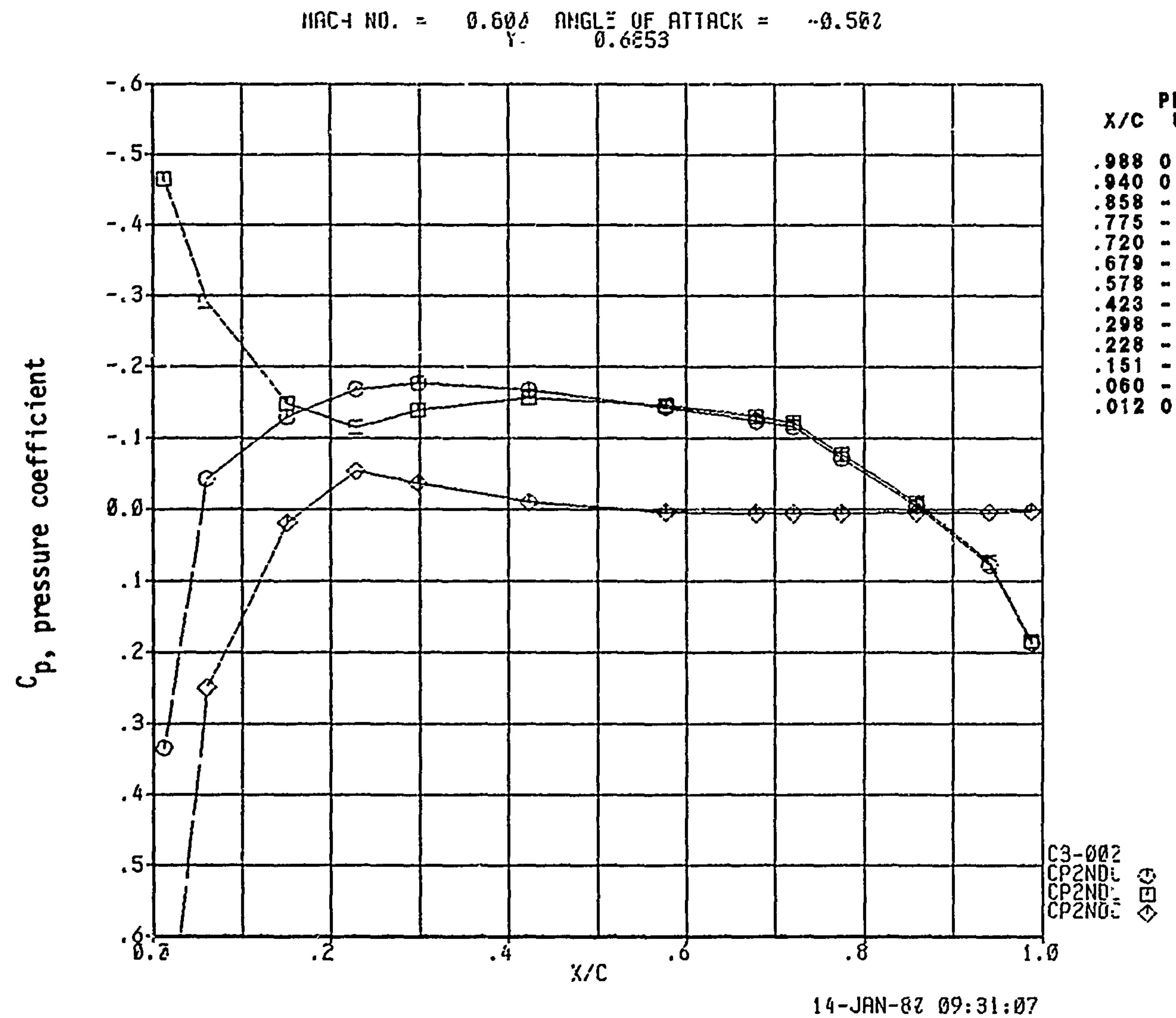

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1847 | 0.1860 | -.0013 |
| .940 | 0.0741 | 0.0770 | -.0029 |
| .858 | -.0098 | -.0046 | -.0053 |
| .775 | -.0779 | -.0703 | -.0077 |
| .720 | -.1236 | -.1143 | -.0093 |
| .679 | -.1316 | -.1211 | -.0106 |
| .578 | -.1528 | -.1362 | -.0166 |
| .423 | -.1814 | -.1423 | -.0391 |
| .298 | -.1951 | -.1210 | -.0741 |
| .228 | -.1895 | -.0928 | -.0967 |
| .151 | -.1587 | -.1185 | -.0402 |
| .060 | -.0906 | -.2384 | 0.1477 |
| .012 | 0.2482 | -.3421 | 0.5903 |

Figure 46 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1824 | 0.1881 | -.0057 |
| .940 | 0.0706 | 0.0803 | -.0097 |
| .858 | -.0149 | 0.0003 | -.0152 |
| .775 | -.0845 | -.0638 | -.0207 |
| .720 | -.1311 | -.1070 | -.0241 |
| .679 | -.1398 | -.1131 | -.0267 |
| .578 | -.1632 | -.1261 | -.0370 |
| .423 | -.1960 | -.1281 | -.0679 |
| .298 | -.2137 | -.1027 | -.1110 |
| .228 | -.2111 | -.0714 | -.1397 |
| .151 | -.1879 | -.0888 | -.0991 |
| .060 | -.1393 | -.1857 | 0.0463 |
| .012 | 0.1579 | -.2237 | 0.3815 |

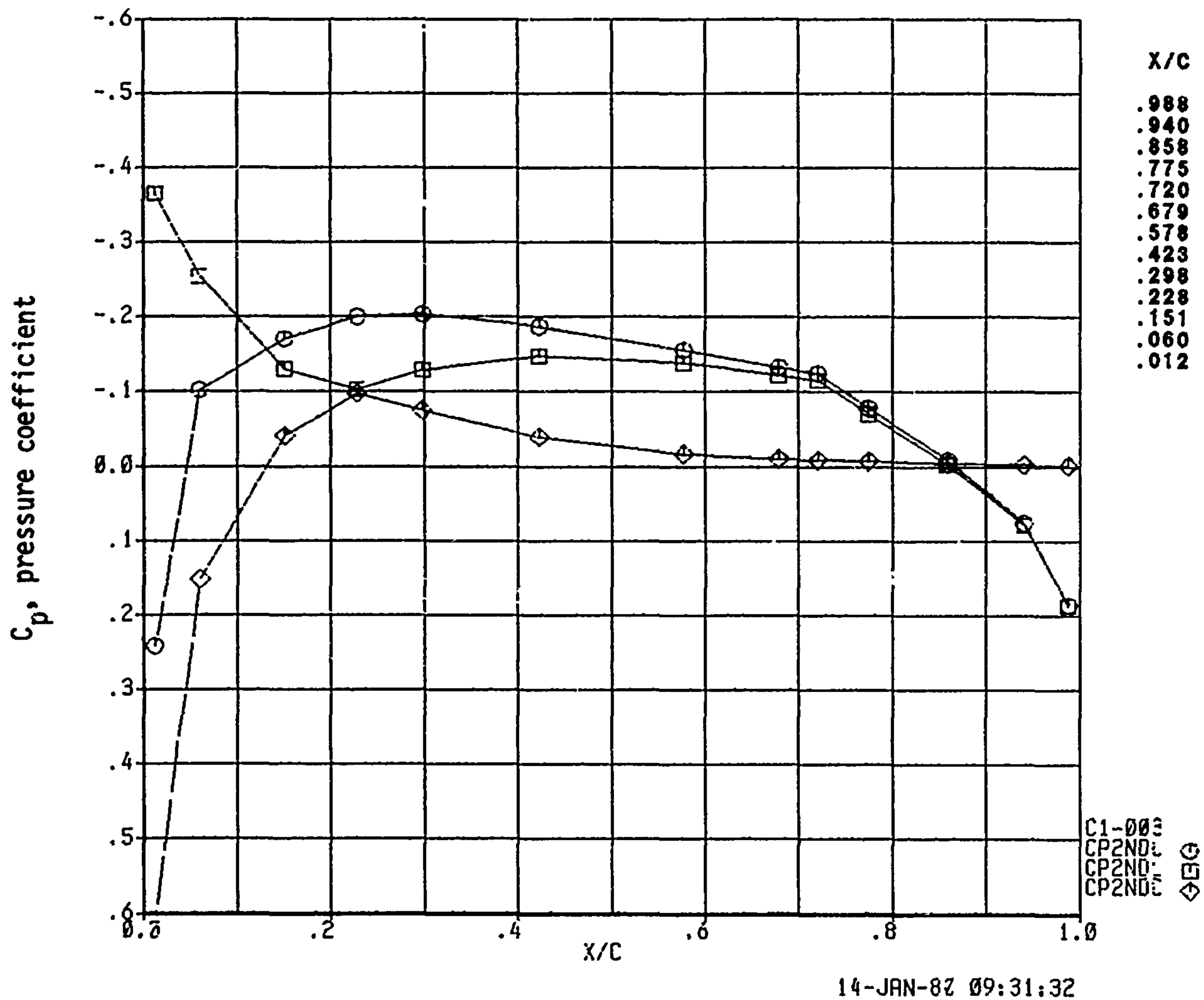
Figure 47 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1868 | 0.1837 | 0.0031 |
| .940 | 0.0774 | 0.0736 | 0.0038 |
| .858 | -.0049 | -.0097 | 0.0047 |
| .775 | -.0714 | -.0768 | 0.0054 |
| .720 | -.1163 | -.1218 | 0.0055 |
| .679 | -.1237 | -.1292 | 0.0056 |
| .578 | -.1427 | -.1466 | 0.0039 |
| .423 | -.1670 | -.1568 | -.0103 |
| .298 | -.1767 | -.1395 | -.0372 |
| .228 | -.1681 | -.1145 | -.0536 |
| .151 | -.1299 | -.1486 | 0.0187 |
| .060 | -.0430 | -.2921 | 0.2491 |
| .012 | 0.3336 | -.4656 | 0.7991 |

Figure 48 , Chordwise Pressure Distribution, Steady, Configuration 1

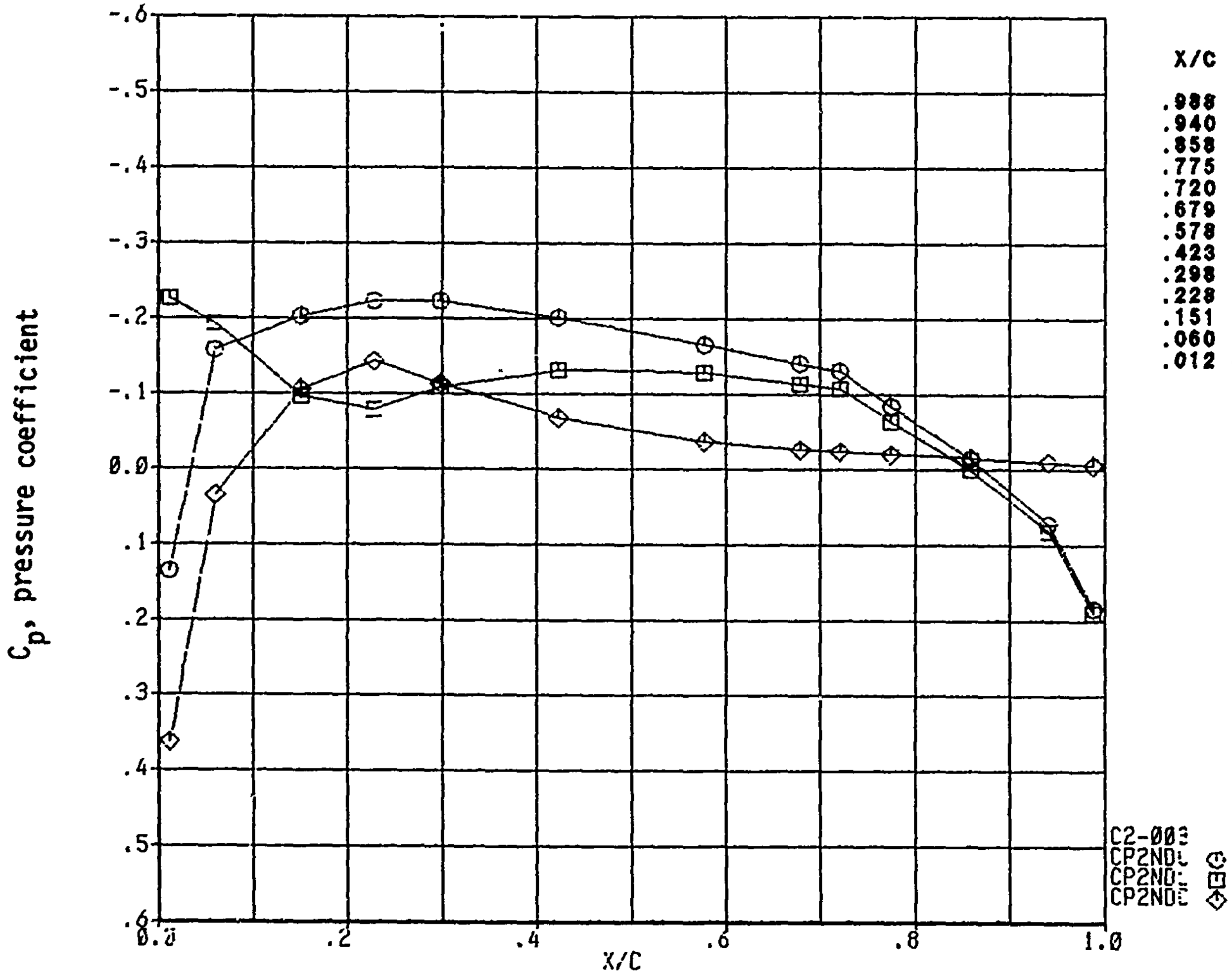
MACH NO. = 0.800 ANGLE OF ATTACK = 0.002
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1859 | 0.1872 | -.0013 |
| .940 | 0.0751 | 0.0780 | -.0029 |
| .858 | -.0093 | -.0041 | -.0052 |
| .775 | -.0779 | -.0702 | -.0077 |
| .720 | -.1241 | -.1148 | -.0093 |
| .679 | -.1325 | -.1219 | -.0107 |
| .578 | -.1549 | -.1382 | -.0168 |
| .423 | -.1863 | -.1469 | -.0393 |
| .298 | -.2032 | -.1285 | -.0746 |
| .228 | -.1994 | -.1022 | -.0972 |
| .151 | -.1701 | -.1294 | -.0407 |
| .060 | -.1016 | -.2533 | 0.1517 |
| .012 | 0.2412 | -.3644 | 0.6056 |

Figure 49 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.802 ANGLE OF ATTACK = 0.502
Y= 0.9968

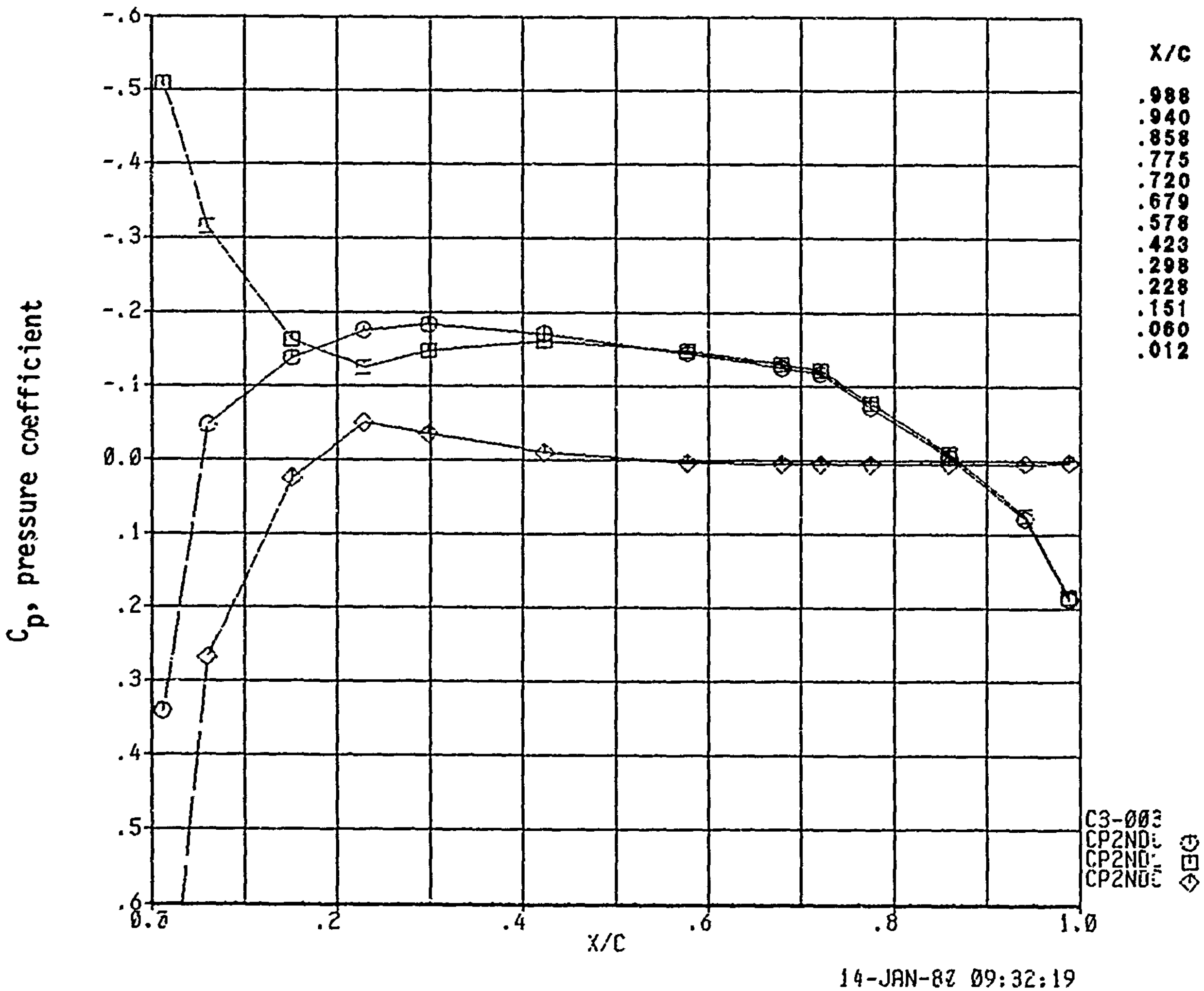



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1836 | 0.1893 | -.0057 |
| .940 | 0.0716 | 0.0813 | -.0096 |
| .858 | -.0143 | 0.0007 | -.0150 |
| .775 | -.0843 | -.0640 | -.0204 |
| .720 | -.1314 | -.1077 | -.0238 |
| .679 | -.1406 | -.1140 | -.0264 |
| .578 | -.1652 | -.1281 | -.0371 |
| .423 | -.2013 | -.1324 | -.0689 |
| .298 | -.2229 | -.1092 | -.1137 |
| .228 | -.2228 | -.0791 | -.1436 |
| .151 | -.2026 | -.0965 | -.1061 |
| .060 | -.1576 | -.1930 | 0.0353 |
| .012 | 0.1355 | -.2265 | 0.3620 |

14-JAN-82 09:31:53

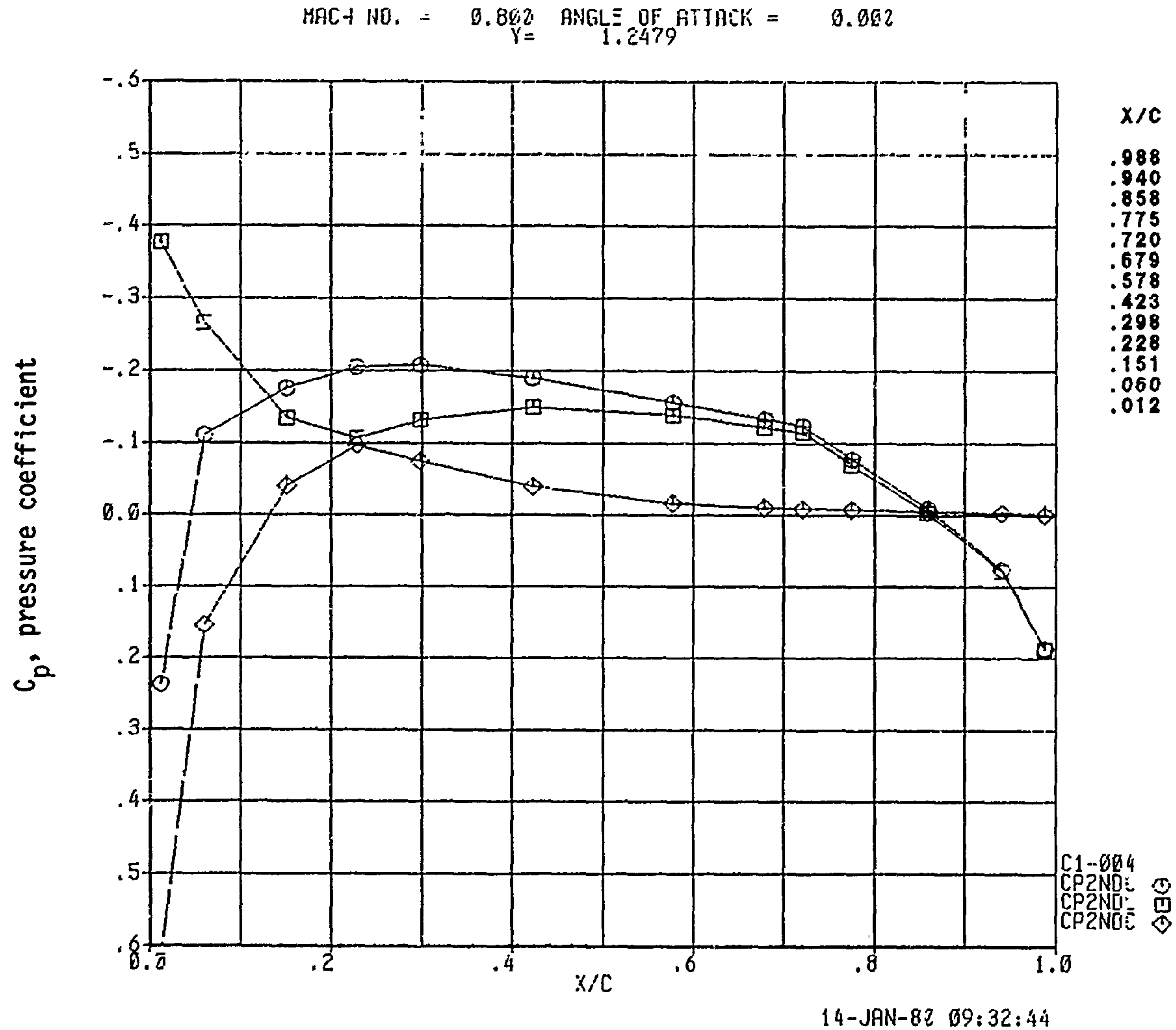
Figure 50 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.804 ANGLE OF ATTACK = -0.502
Y= 0.9968



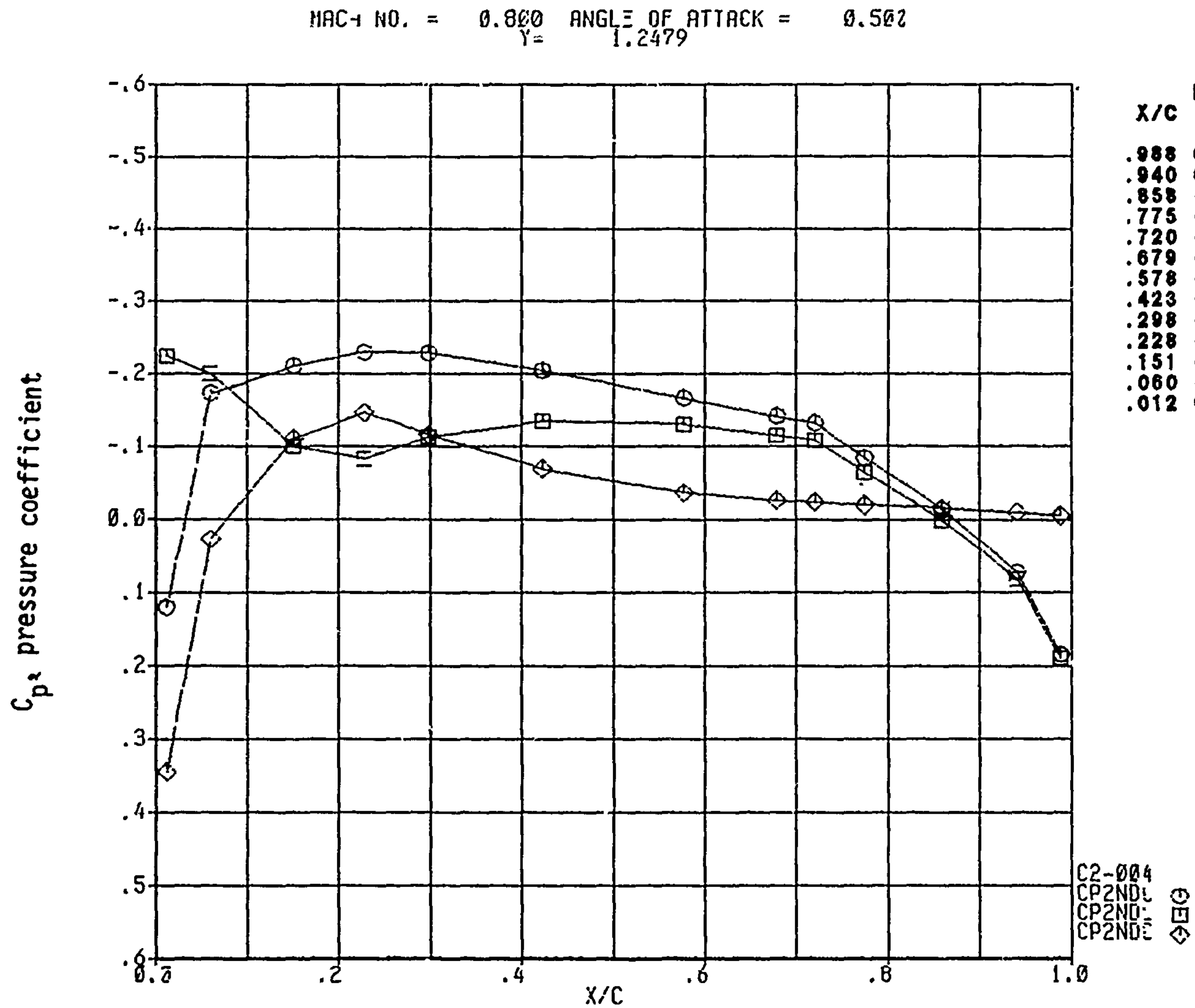

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1880 | 0.1849 | 0.0031 |
| .940 | 0.0784 | 0.0746 | 0.0038 |
| .858 | -.0045 | -.0090 | 0.0045 |
| .775 | -.0716 | -.0767 | 0.0051 |
| .720 | -.1170 | -.1220 | 0.0052 |
| .679 | -.1247 | -.1299 | 0.0052 |
| .578 | -.1448 | -.1485 | 0.0037 |
| .423 | -.1716 | -.1617 | -.0099 |
| .298 | -.1837 | -.1481 | -.0355 |
| .228 | -.1763 | -.1257 | -.0506 |
| .151 | -.1381 | -.1628 | 0.0247 |
| .060 | -.0470 | -.3150 | 0.2680 |
| .012 | 0.3403 | -.5089 | 0.8492 |

Figure 51 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1863 | 0.1876 | -.0012 |
| .940 | 0.0755 | 0.0783 | -.0028 |
| .858 | -.0089 | -.0038 | -.0051 |
| .775 | -.0777 | -.0701 | -.0075 |
| .720 | -.1241 | -.1149 | -.0092 |
| .679 | -.1329 | -.1222 | -.0106 |
| .578 | -.1559 | -.1390 | -.0169 |
| .423 | -.1894 | -.1496 | -.0398 |
| .298 | -.2077 | -.1325 | -.0752 |
| .228 | -.2044 | -.1072 | -.0072 |
| .151 | -.1754 | -.1348 | -.0406 |
| .060 | -.1112 | -.2656 | 0.1544 |
| .012 | 0.2370 | -.3761 | 0.6131 |

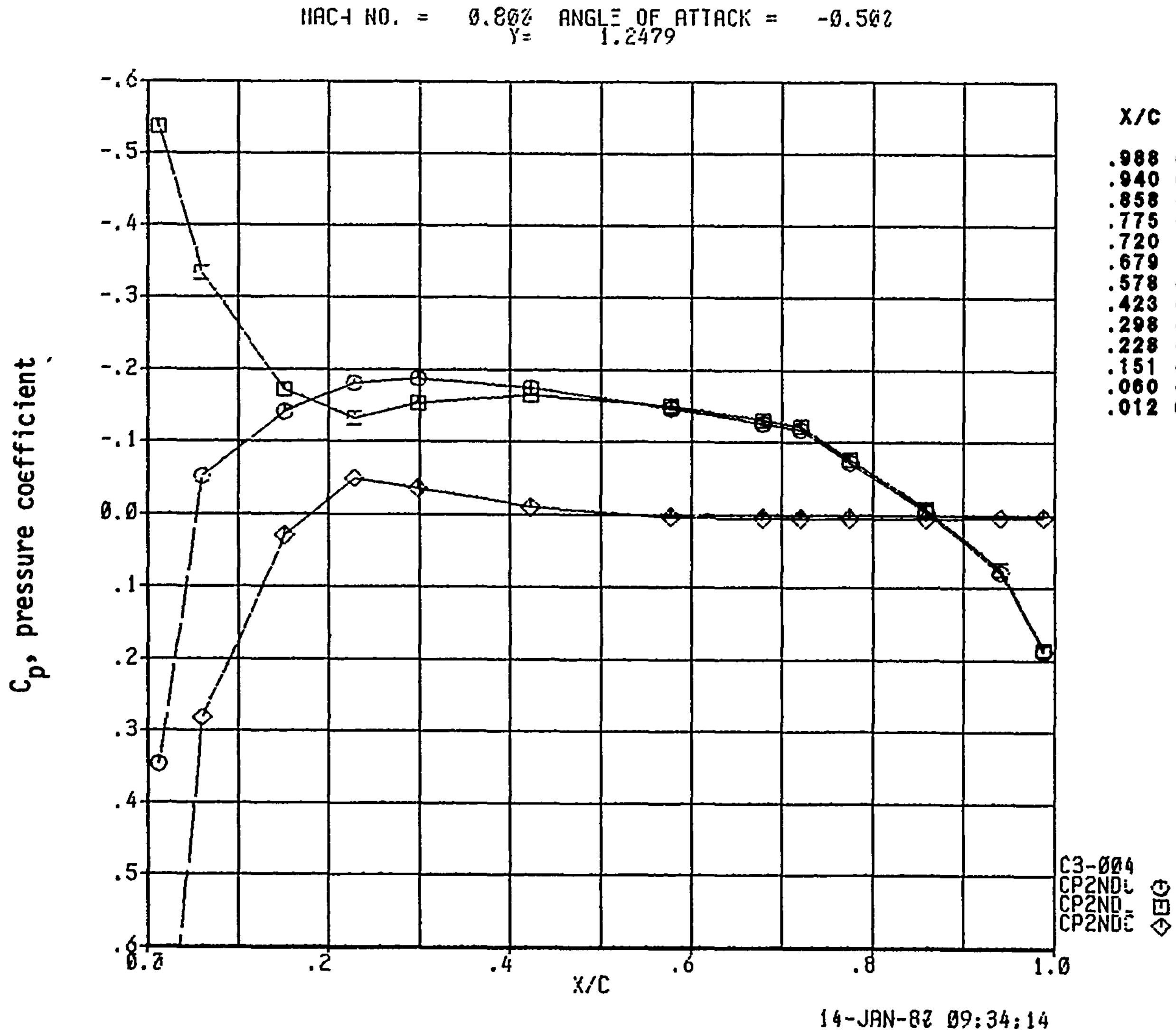
Figure 52 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1840 | 0.1897 | -.0057 |
| .940 | 0.0721 | 0.0815 | -.0094 |
| .858 | -.0137 | 0.0008 | -.0145 |
| .775 | -.0839 | -.0642 | -.0197 |
| .720 | -.1311 | -.1081 | -.0230 |
| .679 | -.1405 | -.1147 | -.0257 |
| .578 | -.1659 | -.1293 | -.0366 |
| .423 | -.2043 | -.1350 | -.0693 |
| .298 | -.2282 | -.1126 | -.1156 |
| .228 | -.2291 | -.0830 | -.1461 |
| .151 | -.2104 | -.0995 | -.1108 |
| .060 | -.1726 | -.1996 | 0.0270 |
| .012 | 0.1198 | -.2242 | 0.3441 |

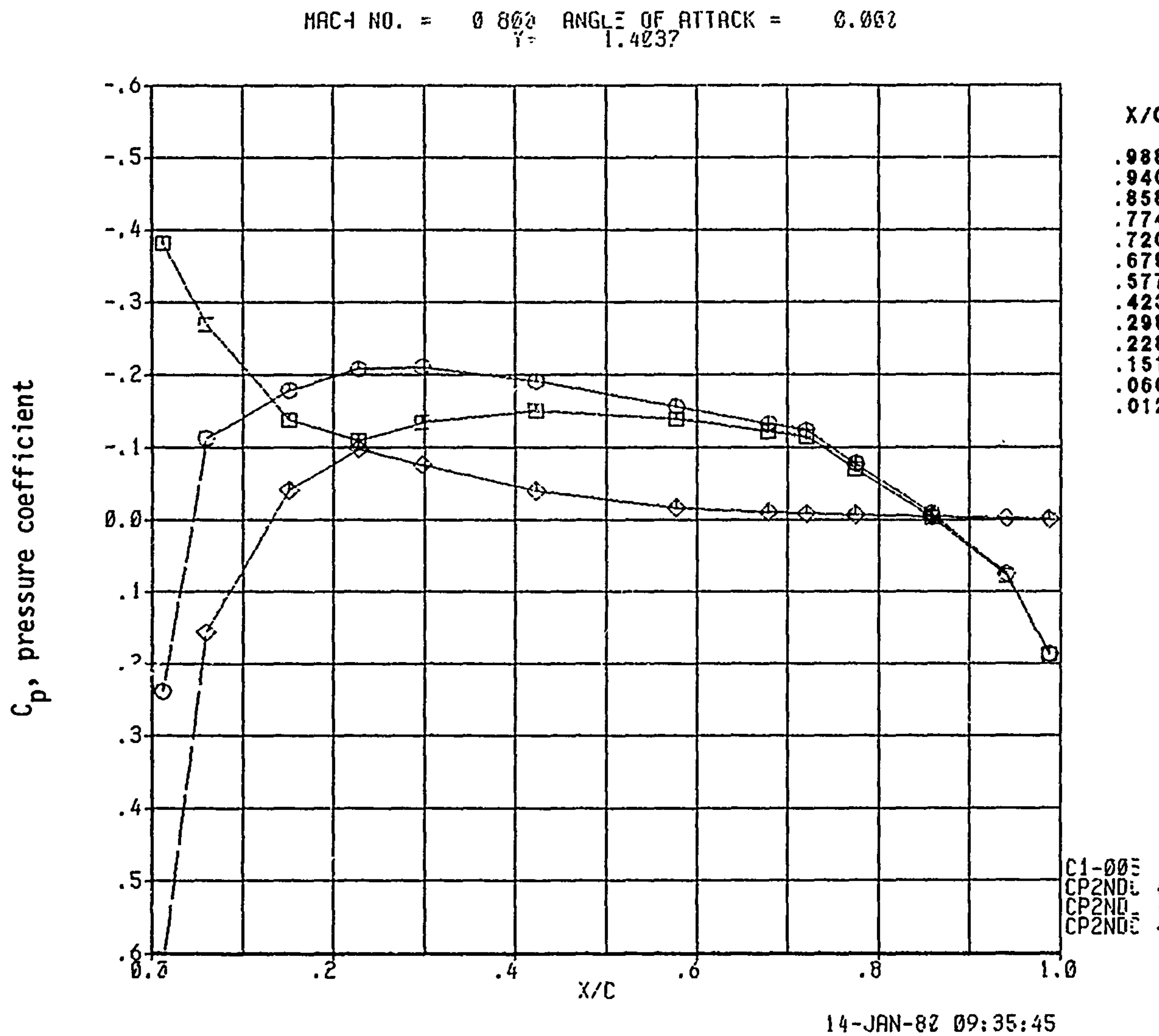
14-JAN-82 09:33:53

Figure 53 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1884 | 0.1853 | 0.0032 |
| .940 | 0.0787 | 0.0749 | 0.0037 |
| .858 | -.0043 | -.0086 | 0.0043 |
| .775 | -.0717 | -.0764 | 0.0046 |
| .720 | -.1173 | -.1219 | 0.0046 |
| .679 | -.1254 | -.1298 | 0.0045 |
| .578 | -.1461 | -.1490 | 0.0028 |
| .423 | -.1747 | -.1644 | -.0103 |
| .298 | -.1876 | -.1528 | -.0349 |
| .228 | -.1801 | -.1318 | -.0483 |
| .151 | -.1410 | -.1706 | 0.0296 |
| .060 | -.0514 | -.3332 | 0.2817 |
| .012 | 0.3460 | -.5361 | 0.8821 |

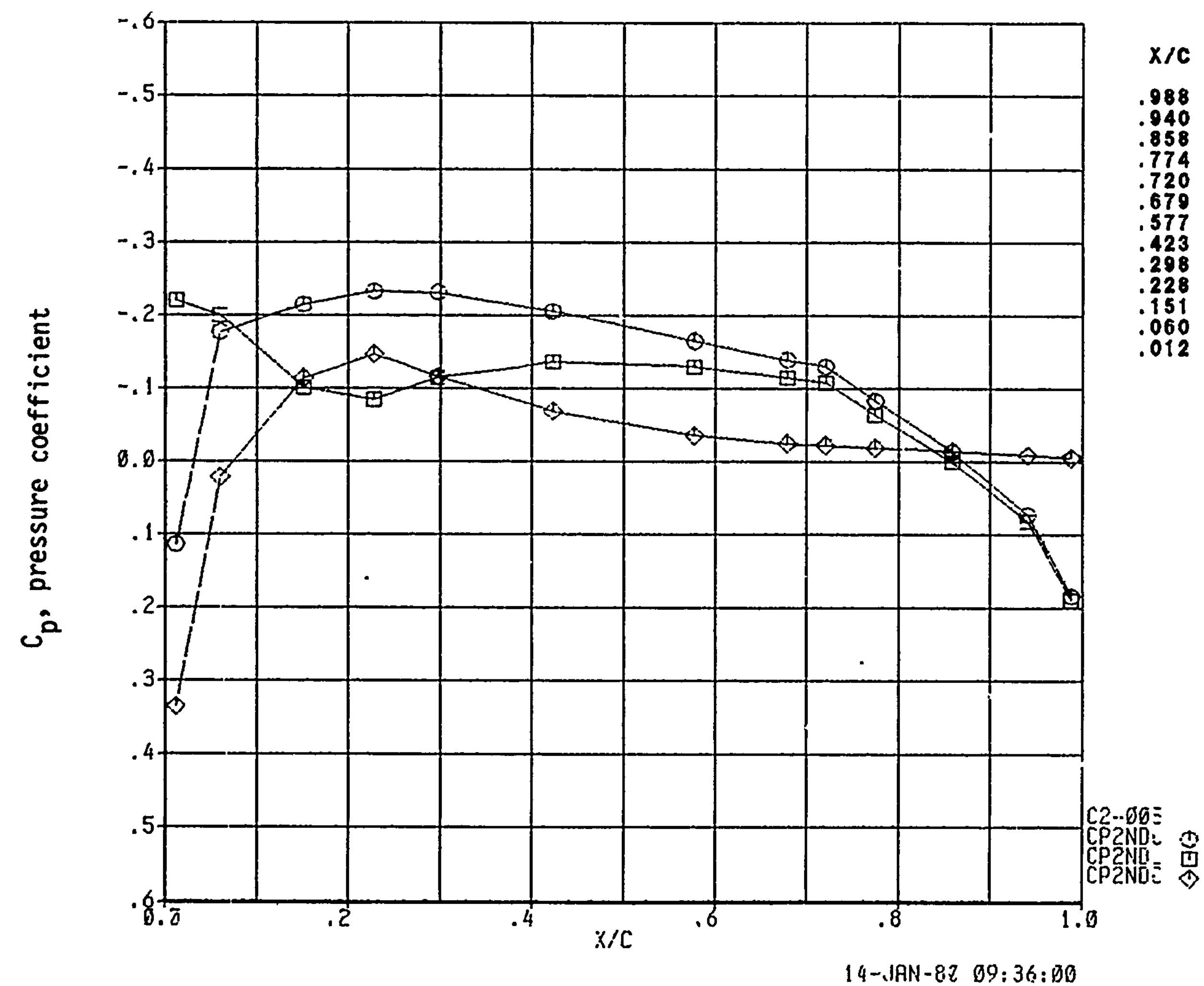
Figure 54 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1863 | 0.1874 | -.0012 |
| .940 | 0.0755 | 0.0783 | -.0027 |
| .858 | -.0087 | -.0037 | -.0049 |
| .774 | -.0772 | -.0700 | -.0073 |
| .720 | -.1237 | -.1147 | -.0090 |
| .679 | -.1323 | -.1220 | -.0104 |
| .577 | -.1559 | -.1390 | -.0168 |
| .423 | -.1910 | -.1508 | -.0402 |
| .298 | -.2108 | -.1347 | -.0761 |
| .228 | -.2077 | -.1098 | -.0979 |
| .151 | -.1785 | -.1377 | -.0407 |
| .060 | -.1126 | -.2689 | 0.1564 |
| .012 | 0.2377 | -.3814 | 0.6192 |

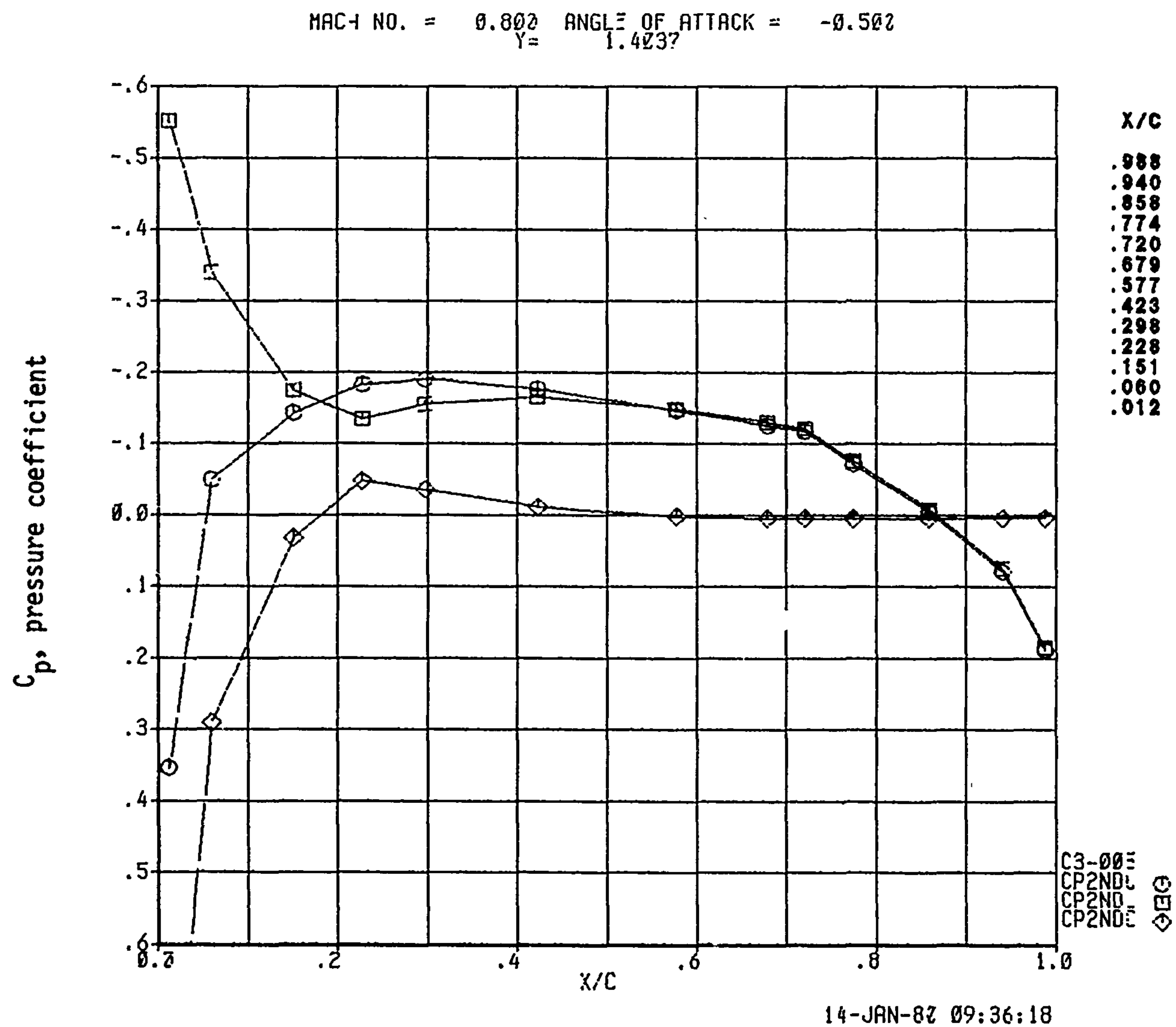
Figure 55 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.800 ANGLE OF ATTACK = 0.502
Y= 1.4037



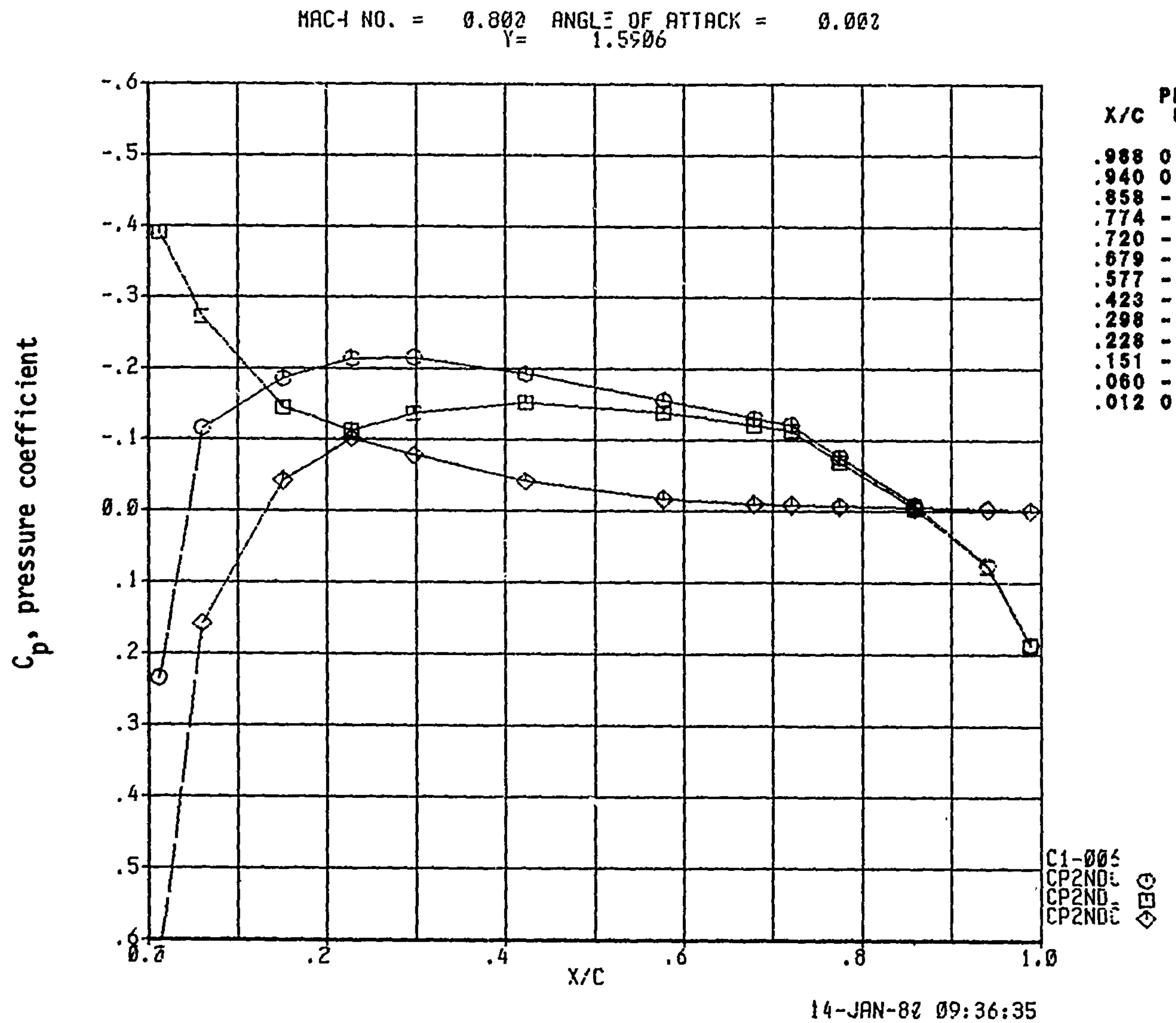

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1840 | 0.1896 | -.0056 |
| .940 | 0.0723 | 0.0813 | -.0091 |
| .858 | -.0133 | 0.0007 | -.0140 |
| .774 | -.0831 | -.0643 | -.0188 |
| .720 | -.1303 | -.1083 | -.0220 |
| .679 | -.1396 | -.1150 | -.0246 |
| .577 | -.1654 | -.1297 | -.0356 |
| .423 | -.2056 | -.1365 | -.0692 |
| .298 | -.2312 | -.1148 | -.1164 |
| .228 | -.2328 | -.0852 | -.1476 |
| .151 | -.2148 | -.1012 | -.1135 |
| .060 | -.1773 | -.1996 | 0.0223 |
| .012 | 0.1134 | -.2208 | 0.3342 |

Figure 56 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1884 | 0.1851 | 0.0033 |
| .940 | 0.0786 | 0.0749 | 0.0036 |
| .858 | -.0043 | -.0084 | 0.0041 |
| .774 | -.0716 | -.0759 | 0.0043 |
| .720 | -.1173 | -.1214 | 0.0041 |
| .679 | -.1253 | -.1292 | 0.0039 |
| .577 | -.1466 | -.1485 | 0.0019 |
| .423 | -.1766 | -.1653 | -.0113 |
| .298 | -.1906 | -.1550 | -.0357 |
| .228 | -.1830 | -.1349 | -.0481 |
| .151 | -.1428 | -.1748 | 0.0320 |
| .060 | -.0496 | -.3401 | 0.2905 |
| .012 | 0.3531 | -.5512 | 0.9042 |

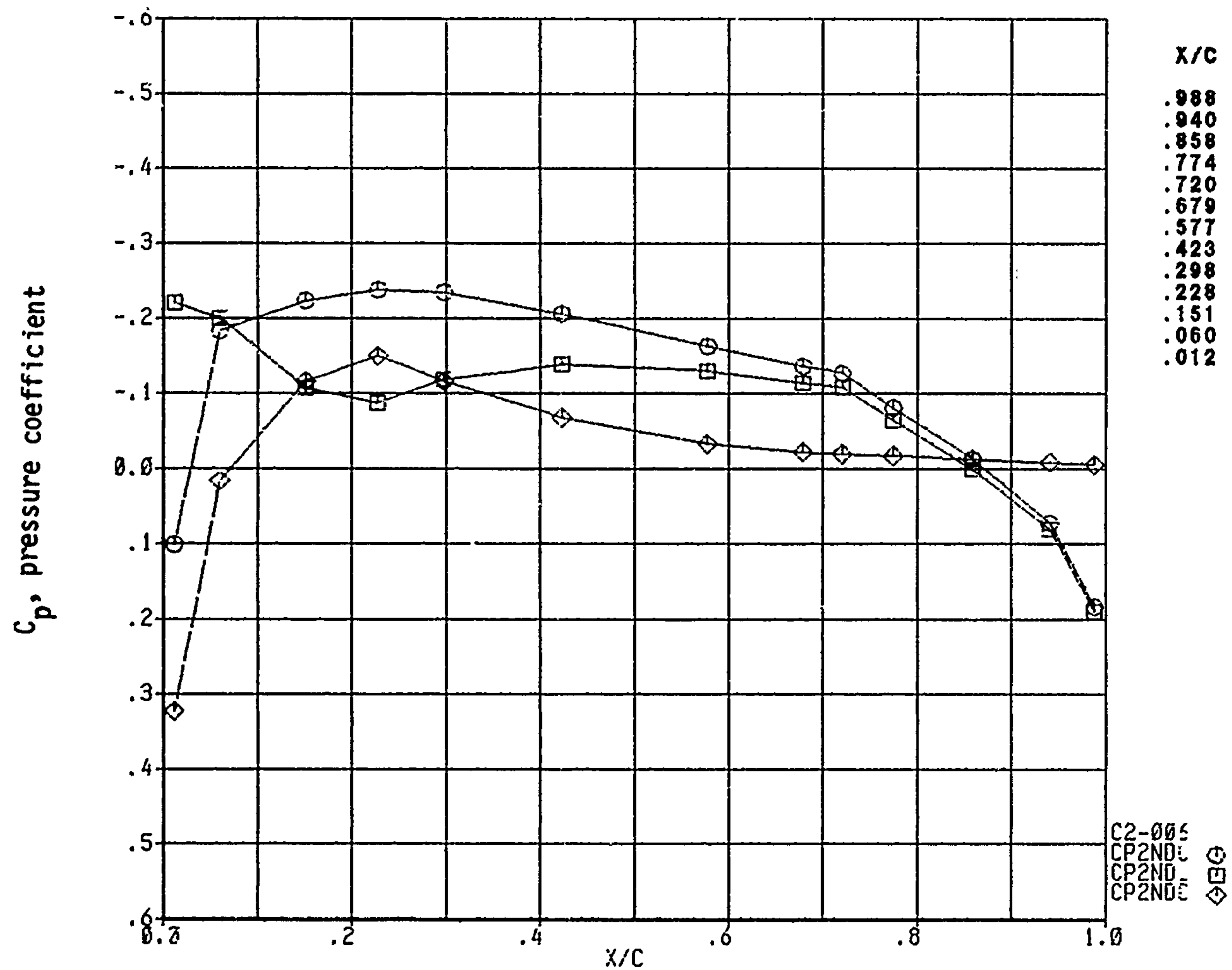
Figure 57, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1857 | 0.1867 | -.0011 |
| .940 | 0.0753 | 0.0778 | -.0024 |
| .858 | -.0081 | -.0037 | -.0044 |
| .774 | -.0756 | -.0690 | -.0066 |
| .720 | -.1214 | -.1133 | -.0081 |
| .679 | -.1299 | -.1205 | -.0094 |
| .577 | -.1545 | -.1384 | -.0160 |
| .423 | -.1926 | -.1517 | -.0409 |
| .298 | -.2150 | -.1371 | -.0779 |
| .228 | -.2134 | -.1120 | -.1013 |
| .151 | -.1859 | -.1443 | -.0415 |
| .060 | -.1149 | -.2729 | 0.1580 |
| .012 | 0.2336 | -.3910 | 0.6246 |

Figure 58 , Chordwise Pressure Distribution, Steady, Configuration 1

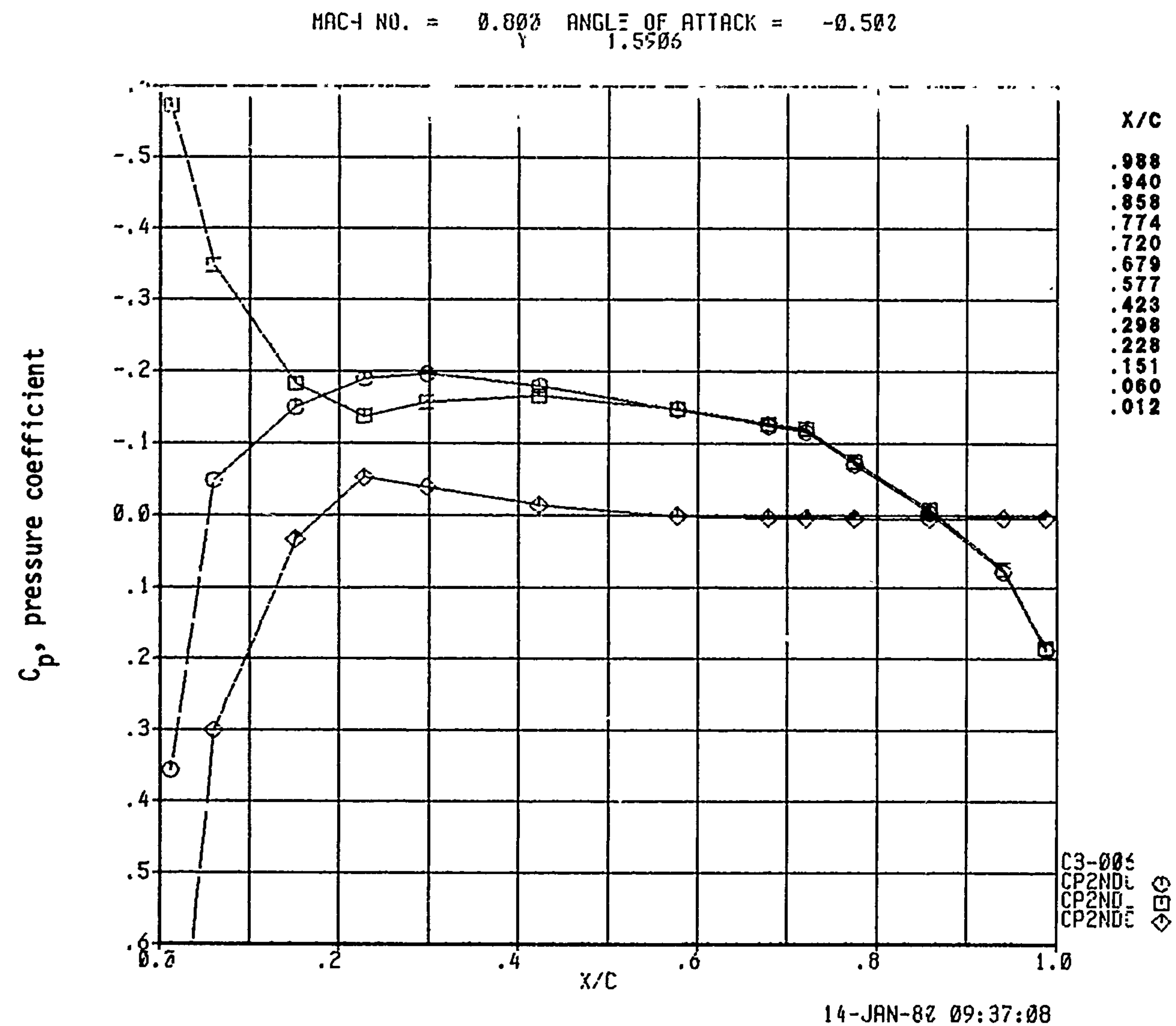
MACH NO. = 0.802 ANGLE OF ATTACK = 0.502
Y= 1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1833 | 0.1888 | -.0055 |
| .940 | 0.0722 | 0.0807 | -.0085 |
| .858 | -.0124 | 0.0003 | -.0128 |
| .774 | -.0810 | -.0639 | -.0171 |
| .720 | -.1273 | -.1075 | -.0198 |
| .679 | -.1363 | -.1142 | -.0220 |
| .577 | -.1629 | -.1303 | -.0326 |
| .423 | -.2060 | -.1387 | -.0675 |
| .298 | -.2345 | -.1181 | -.1164 |
| .228 | -.2380 | -.0880 | -.1500 |
| .151 | -.2230 | -.1069 | -.1160 |
| .060 | -.1835 | -.1996 | 0.0160 |
| .012 | 0.1011 | -.2205 | 0.3215 |

14-JAN-87 09:36:52

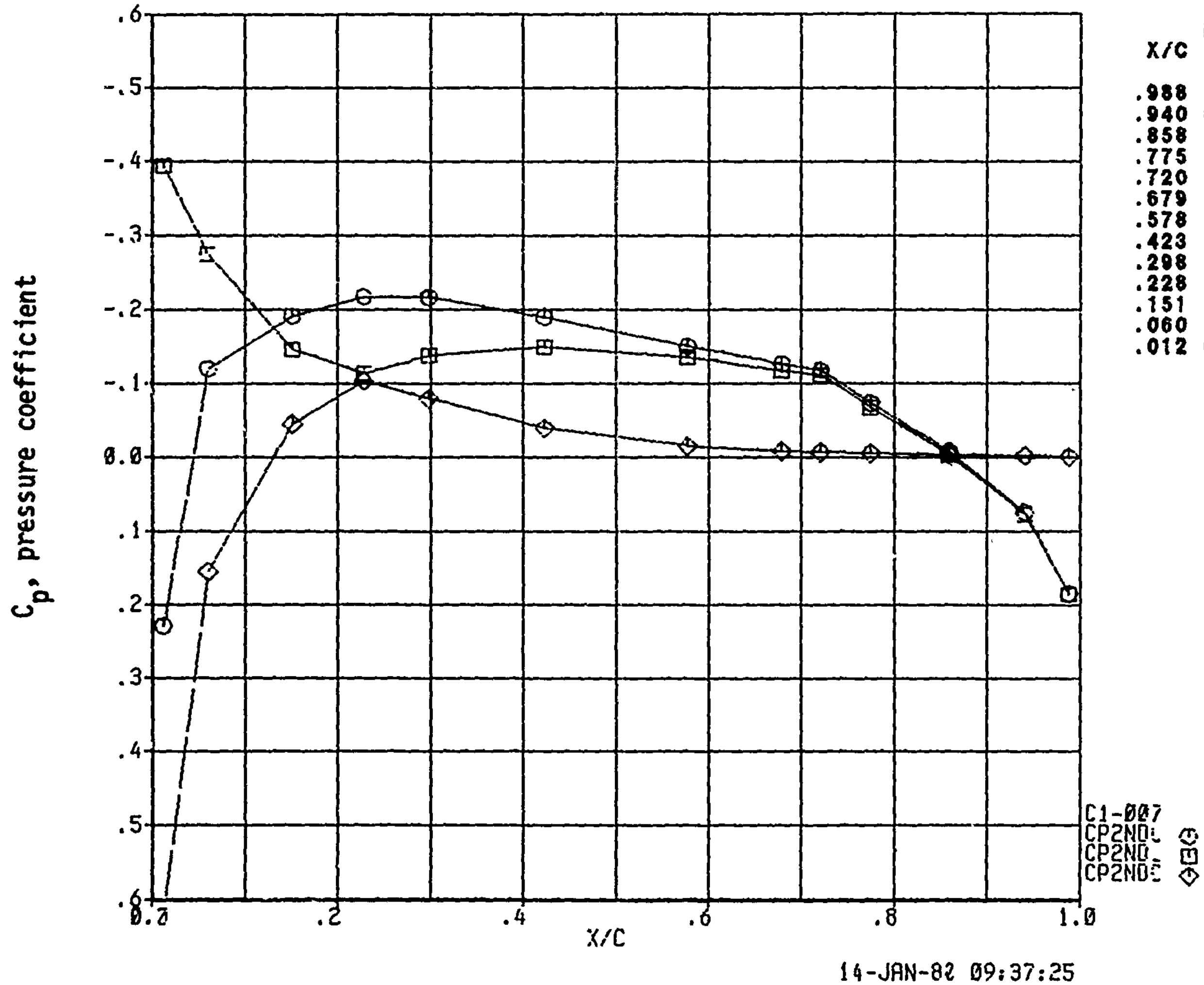
Figure 59 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1877 | 0.1843 | 0.0034 |
| .940 | 0.0782 | 0.0746 | 0.0036 |
| .858 | -.0041 | -.0080 | 0.0039 |
| .774 | -.0705 | -.0744 | 0.0039 |
| .720 | -.1158 | -.1193 | 0.0035 |
| .679 | -.1238 | -.1269 | 0.0032 |
| .577 | -.1463 | -.1469 | 0.0005 |
| .423 | -.1794 | -.1650 | -.0143 |
| .298 | -.1958 | -.1564 | -.0394 |
| .228 | -.1892 | -.1366 | -.0527 |
| .151 | -.1494 | -.1823 | 0.0330 |
| .060 | -.0483 | -.3482 | 0.2999 |
| .012 | 0.3560 | -.5716 | 0.9277 |

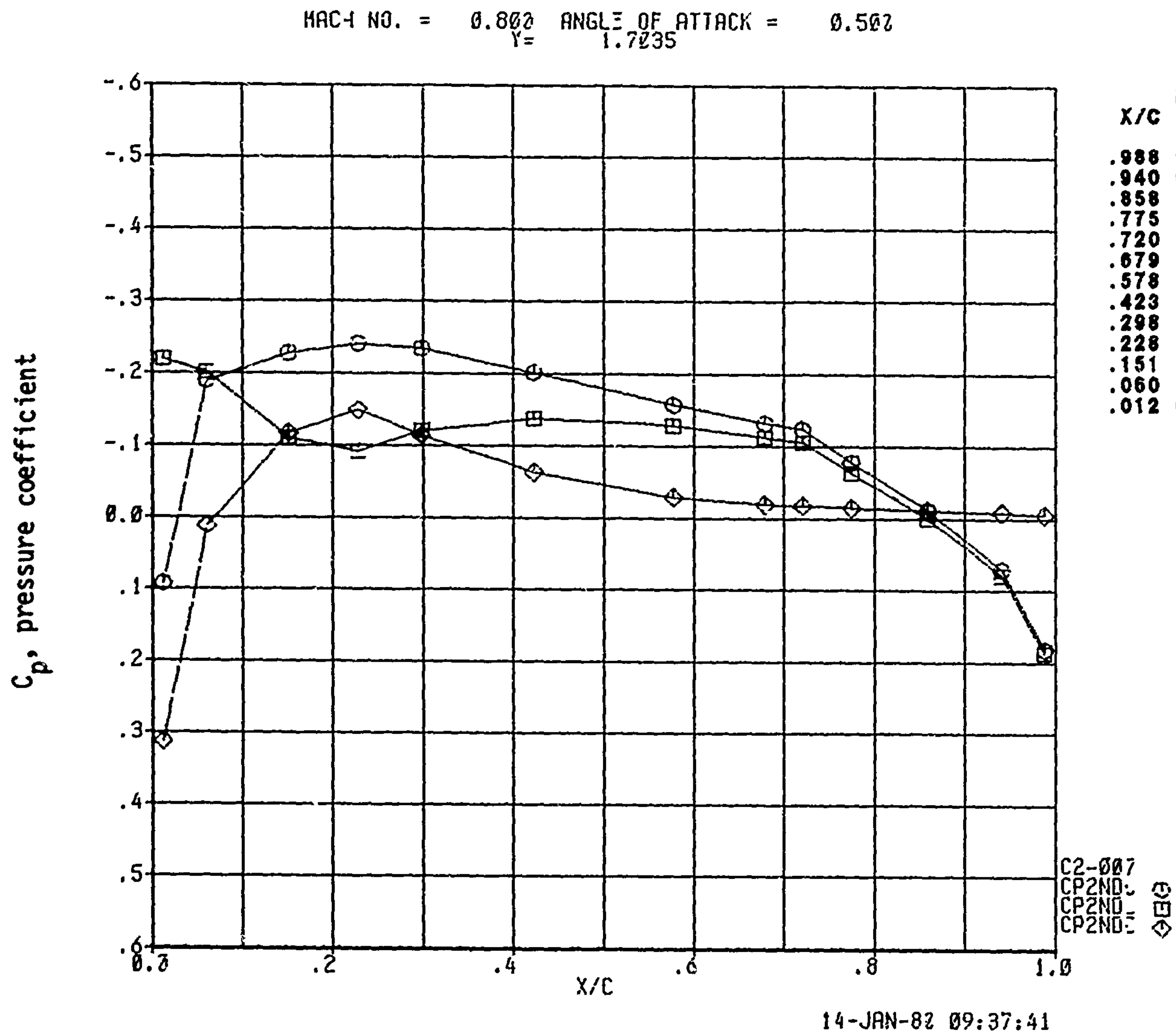
Figure 60 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.802 ANGLE OF ATTACK = 0.002
Y= 1.7035



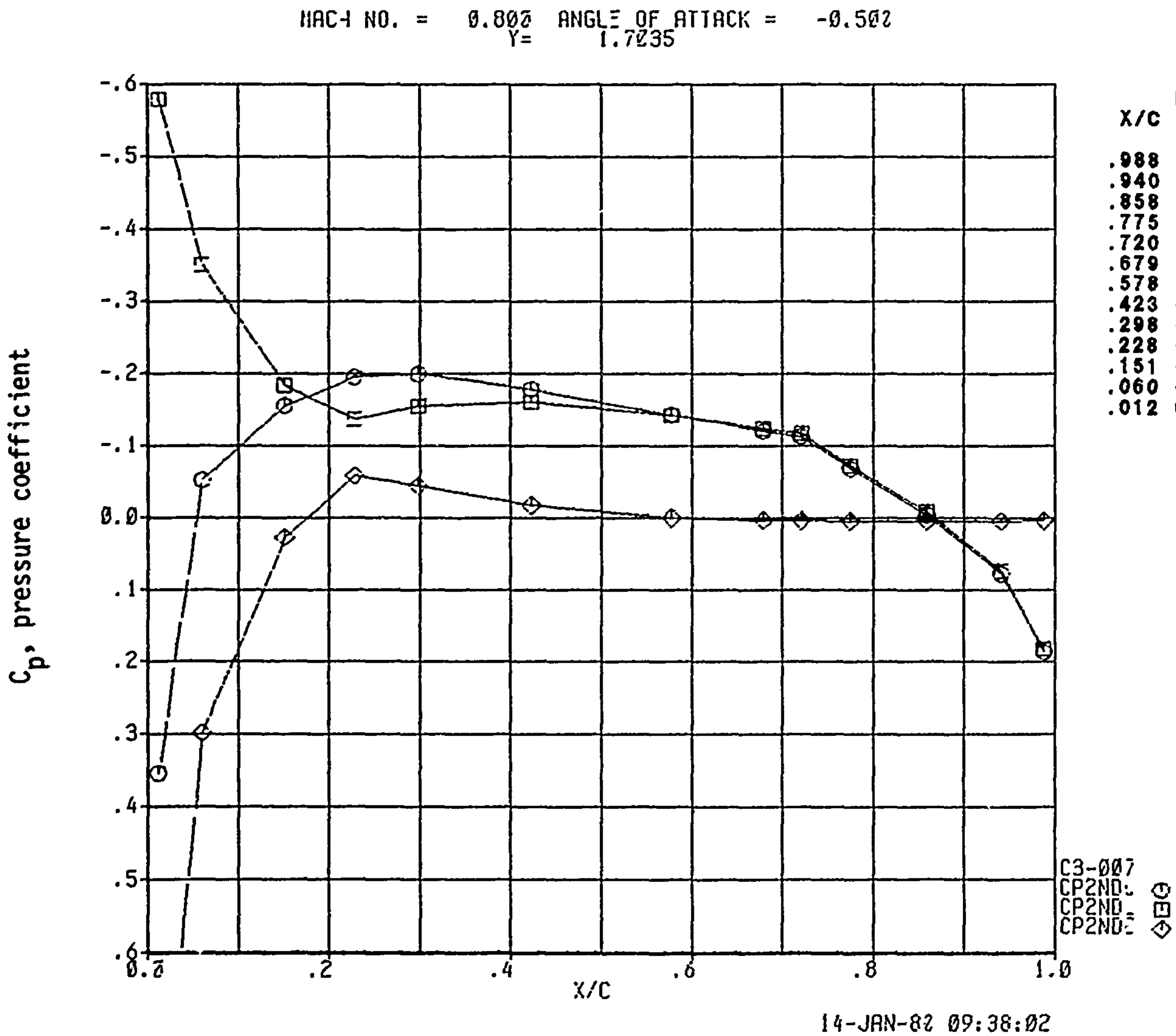

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1843 | 0.1852 | -.0009 |
| .940 | 0.0744 | 0.0766 | -.0021 |
| .858 | -.0075 | -.0037 | -.0039 |
| .775 | -.0733 | -.0675 | -.0058 |
| .720 | -.1182 | -.1111 | -.0072 |
| .679 | -.1261 | -.1178 | -.0083 |
| .578 | -.1498 | -.1352 | -.0146 |
| .423 | -.1897 | -.1495 | -.0401 |
| .298 | -.2167 | -.1374 | -.0793 |
| .228 | -.2176 | -.1139 | -.1037 |
| .151 | -.1911 | -.1462 | -.0448 |
| .060 | -.1195 | -.2745 | 0.1551 |
| .012 | 0.2284 | -.3943 | 0.6227 |

Figure 61 , Chordwise Pressure Distribution, Steady, Configuration 1




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1819 | 0.1873 | -.0054 |
| .940 | 0.0713 | 0.0794 | -.0081 |
| .858 | -.0116 | 0.0000 | -.0117 |
| .775 | -.0783 | -.0630 | -.0154 |
| .720 | -.1236 | -.1060 | -.0176 |
| .679 | -.1319 | -.1124 | -.0195 |
| .578 | -.1572 | -.1281 | -.0291 |
| .423 | -.2014 | -.1383 | -.0632 |
| .298 | -.2343 | -.1204 | -.1139 |
| .228 | -.2406 | -.0915 | -.1491 |
| .151 | -.2271 | -.1100 | -.1171 |
| .060 | -.1887 | -.2006 | 0.0119 |
| .012 | 0.0925 | -.2198 | 0.3123 |

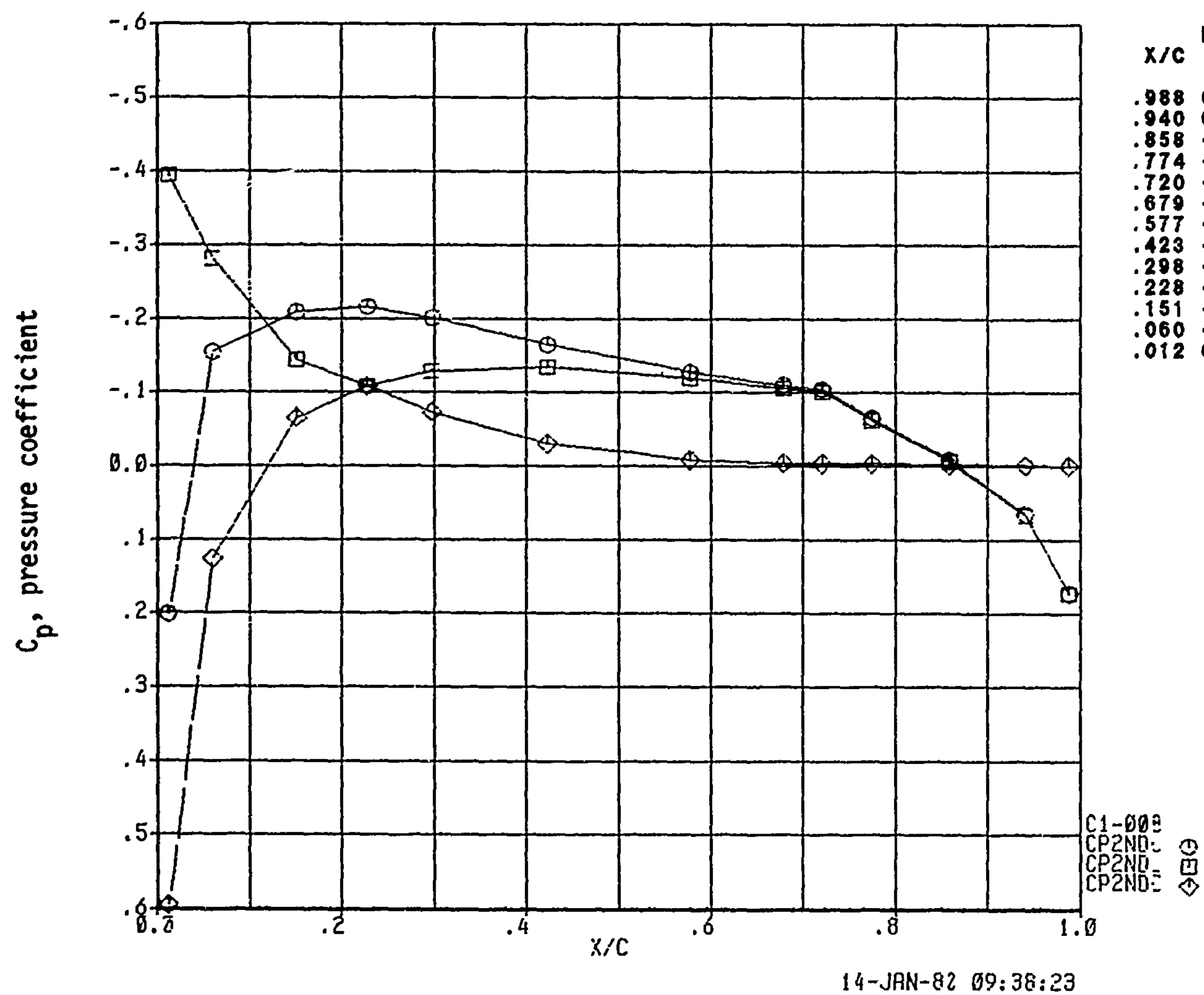
Figure 62, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1864 | 0.1828 | 0.0036 |
| .940 | 0.0772 | 0.0734 | 0.0038 |
| .858 | -.0038 | -.0078 | 0.0040 |
| .775 | -.0688 | -.0726 | 0.0038 |
| .720 | -.1132 | -.1165 | 0.0034 |
| .679 | -.1207 | -.1237 | 0.0030 |
| .578 | -.1429 | -.1427 | -.0002 |
| .423 | -.1783 | -.1613 | -.0170 |
| .298 | -.1994 | -.1548 | -.0446 |
| .228 | -.1952 | -.1369 | -.0583 |
| .151 | -.1557 | -.1832 | 0.0275 |
| .060 | -.0523 | -.3506 | 0.2982 |
| .012 | 0.3537 | -.5794 | 0.9331 |

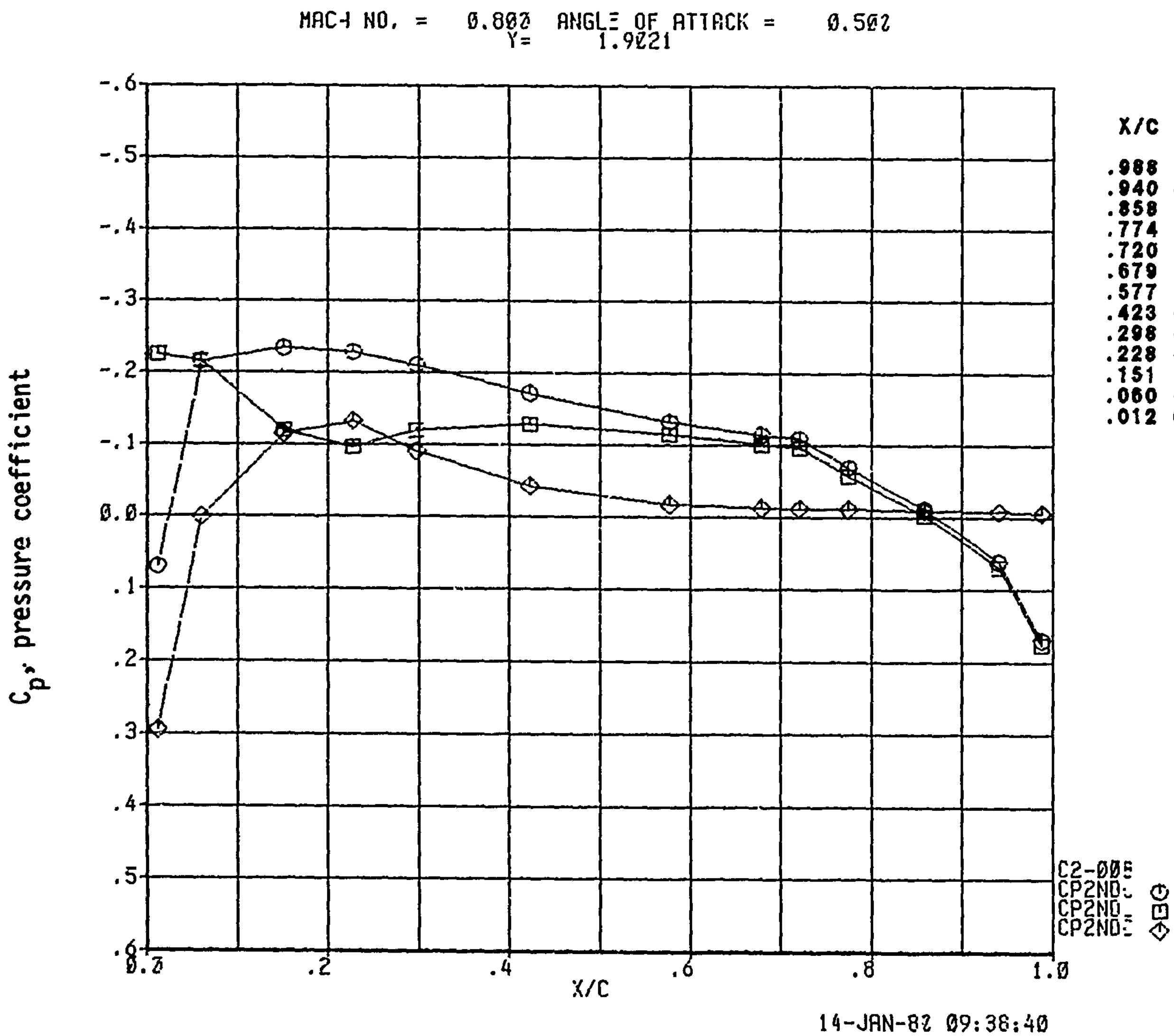
Figure 63 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.800 ANGLE OF ATTACK = 0.002
Y= 1.9021



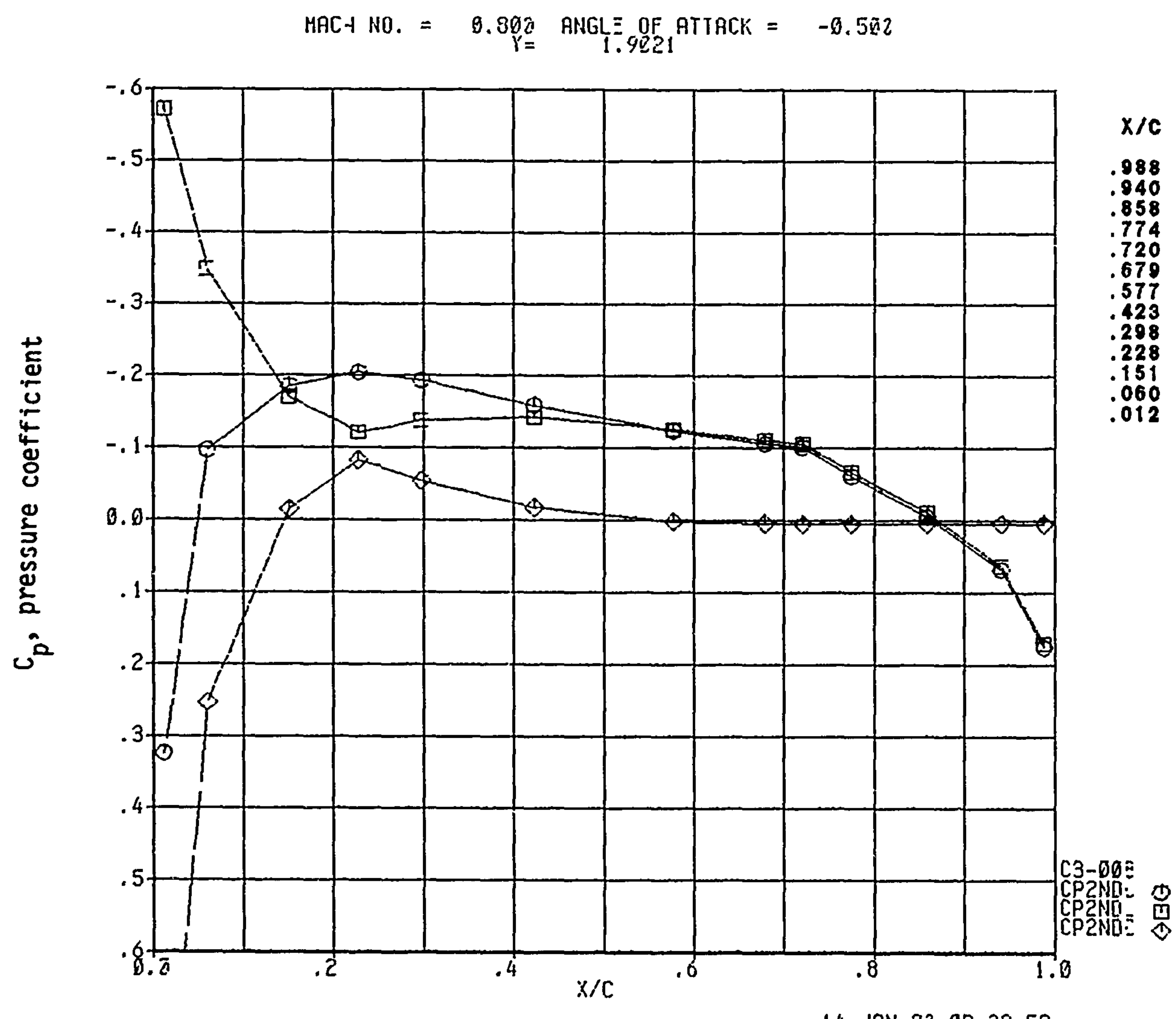

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1725 | 0.1728 | -.0003 |
| .940 | 0.0652 | 0.0663 | -.0011 |
| .858 | -.0081 | -.0059 | -.0021 |
| .774 | -.0646 | -.0615 | -.0031 |
| .720 | -.1046 | -.1009 | -.0037 |
| .679 | -.1094 | -.1054 | -.0040 |
| .577 | -.1273 | -.1196 | -.0076 |
| .423 | -.1651 | -.1351 | -.0300 |
| .298 | -.2012 | -.1287 | -.0726 |
| .228 | -.2160 | -.1085 | -.1075 |
| .151 | -.2088 | -.1441 | -.0647 |
| .060 | -.1547 | -.2811 | 0.1264 |
| .012 | 0.2013 | -.3936 | 0.5949 |

Figure 64 , Chordwise Pressure Distribution, Steady, Configuration 1



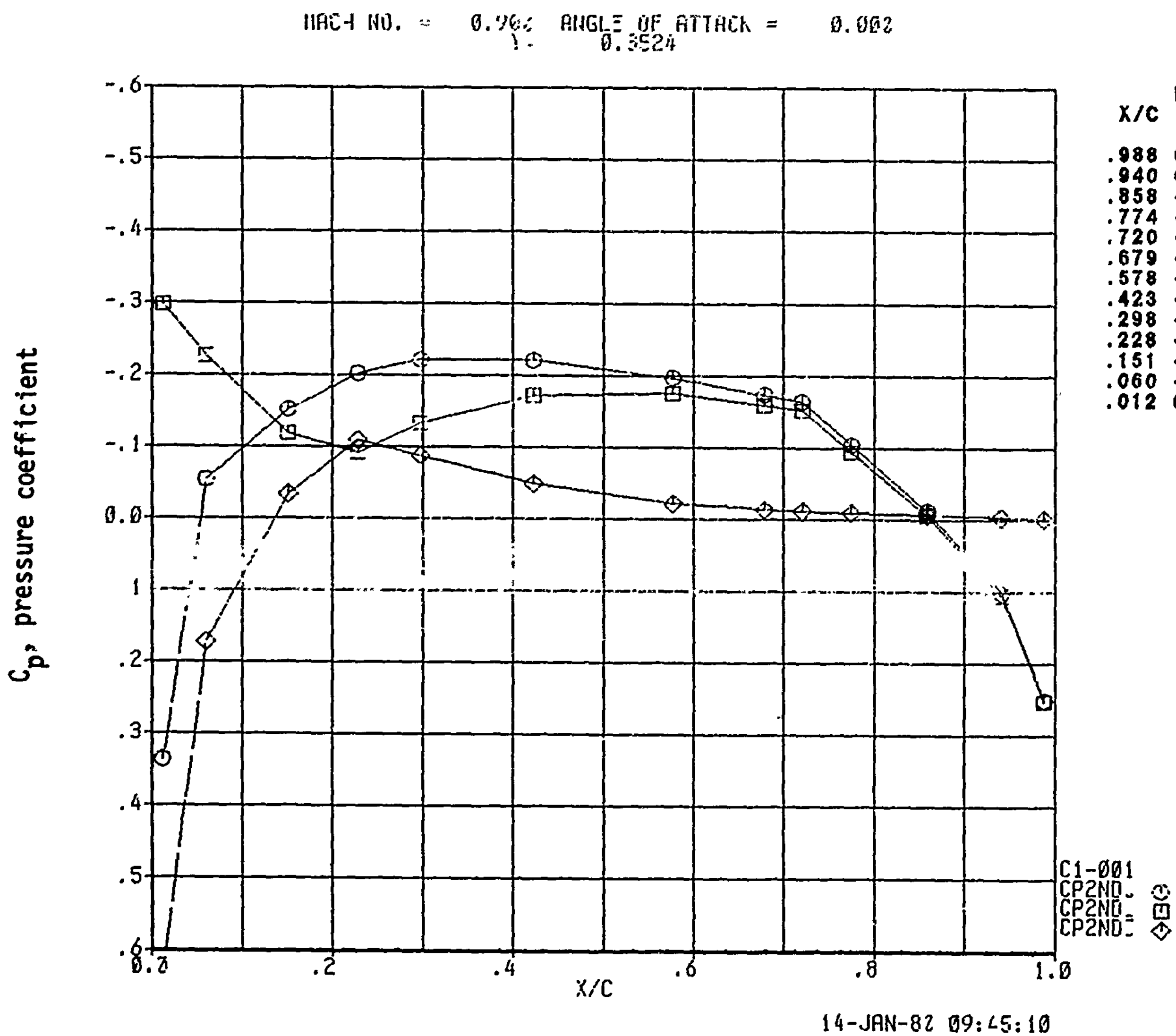

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1693 | 0.1752 | -.0059 |
| .940 | 0.0616 | 0.0691 | -.0074 |
| .858 | -.0121 | -.0026 | -.0095 |
| .774 | -.0691 | -.0577 | -.0114 |
| .720 | -.1092 | -.0970 | -.0122 |
| .679 | -.1140 | -.1014 | -.0126 |
| .577 | -.1323 | -.1152 | -.0171 |
| .423 | -.1719 | -.1288 | -.0430 |
| .298 | -.2107 | -.1198 | -.0909 |
| .228 | -.2284 | -.0963 | -.1321 |
| .151 | -.2336 | -.1190 | -.1145 |
| .060 | -.2153 | -.2162 | 0.0010 |
| .012 | 0.0692 | -.2251 | 0.2943 |

Figure 65, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1746 | 0.1695 | 0.0051 |
| .940 | 0.0677 | 0.0625 | 0.0052 |
| .858 | -.0049 | -.0103 | 0.0053 |
| .774 | -.0610 | -.0662 | 0.0052 |
| .720 | -.1009 | -.1057 | 0.0048 |
| .679 | -.1057 | -.1103 | 0.0046 |
| .577 | -.1231 | -.1250 | 0.0019 |
| .423 | -.1591 | -.1421 | -.0170 |
| .298 | -.1925 | -.1384 | -.0542 |
| .228 | -.2042 | -.1214 | -.0828 |
| .151 | -.1849 | -.1701 | -.0148 |
| .060 | -.0961 | -.3479 | 0.2519 |
| .012 | 0.3233 | -.5721 | 0.8955 |

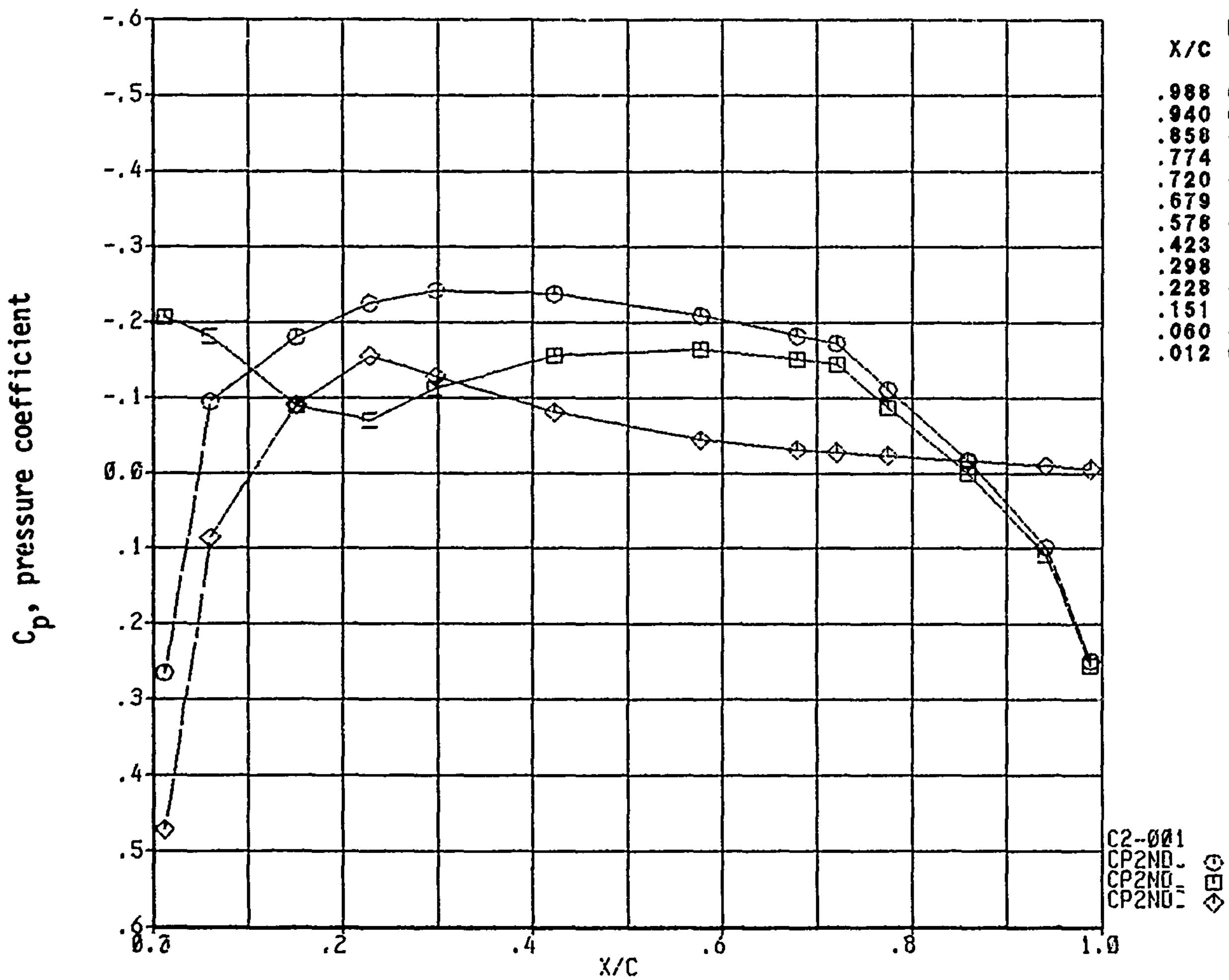
Figure 66, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2512 | 0.2526 | -.0015 |
| .940 | 0.1017 | 0.1051 | -.0035 |
| .858 | -.0122 | -.0057 | -.0064 |
| .774 | -.1039 | -.0944 | -.0096 |
| .720 | -.1644 | -.1526 | -.0118 |
| .679 | -.1735 | -.1600 | -.0135 |
| .578 | -.1969 | -.1754 | -.0215 |
| .423 | -.2210 | -.1722 | -.0488 |
| .298 | -.2211 | -.1332 | -.0878 |
| .228 | -.2018 | -.0925 | -.1093 |
| .151 | -.1521 | -.1187 | -.0333 |
| .060 | -.0538 | -.2260 | 0.1722 |
| .012 | 0.3358 | -.2978 | 0.6336 |

Figure 67, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.90? ANGLE OF ATTACK = 0.502
Y= 0.3524

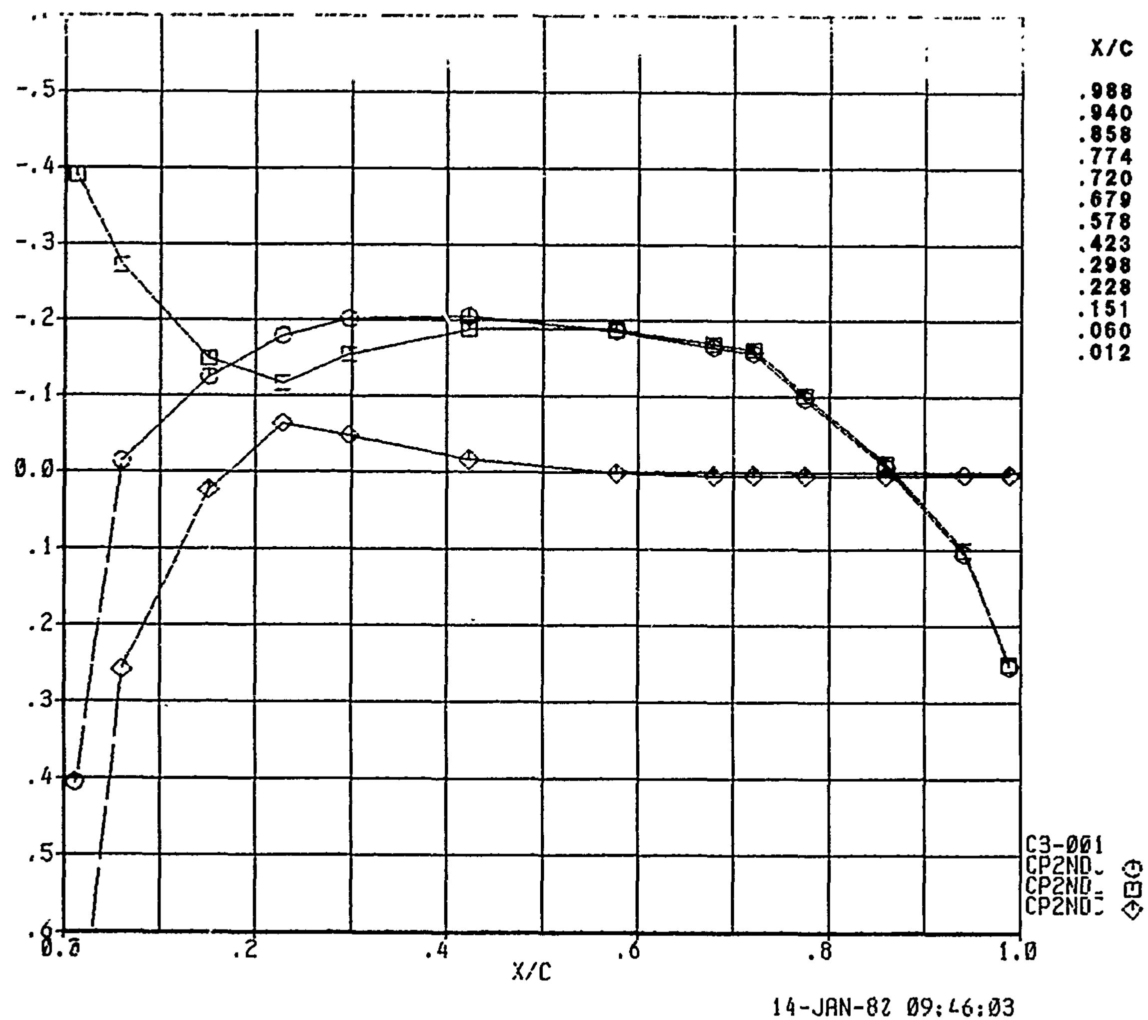



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2490 | 0.2547 | -.0057 |
| .940 | 0.0983 | 0.1084 | -.0101 |
| .858 | -.0173 | -.0007 | -.0166 |
| .774 | -.1109 | -.0875 | -.0233 |
| .720 | -.1723 | -.1448 | -.0276 |
| .679 | -.1824 | -.1513 | -.0311 |
| .578 | -.2085 | -.1640 | -.0445 |
| .423 | -.2373 | -.1562 | -.0812 |
| .298 | -.2414 | -.1131 | -.1283 |
| .228 | -.2246 | -.0696 | -.1550 |
| .151 | -.1803 | -.0897 | -.0905 |
| .060 | -.0951 | -.1813 | 0.0862 |
| .012 | 0.2641 | -.2071 | 0.4711 |

14-JAN-82 09:45:48

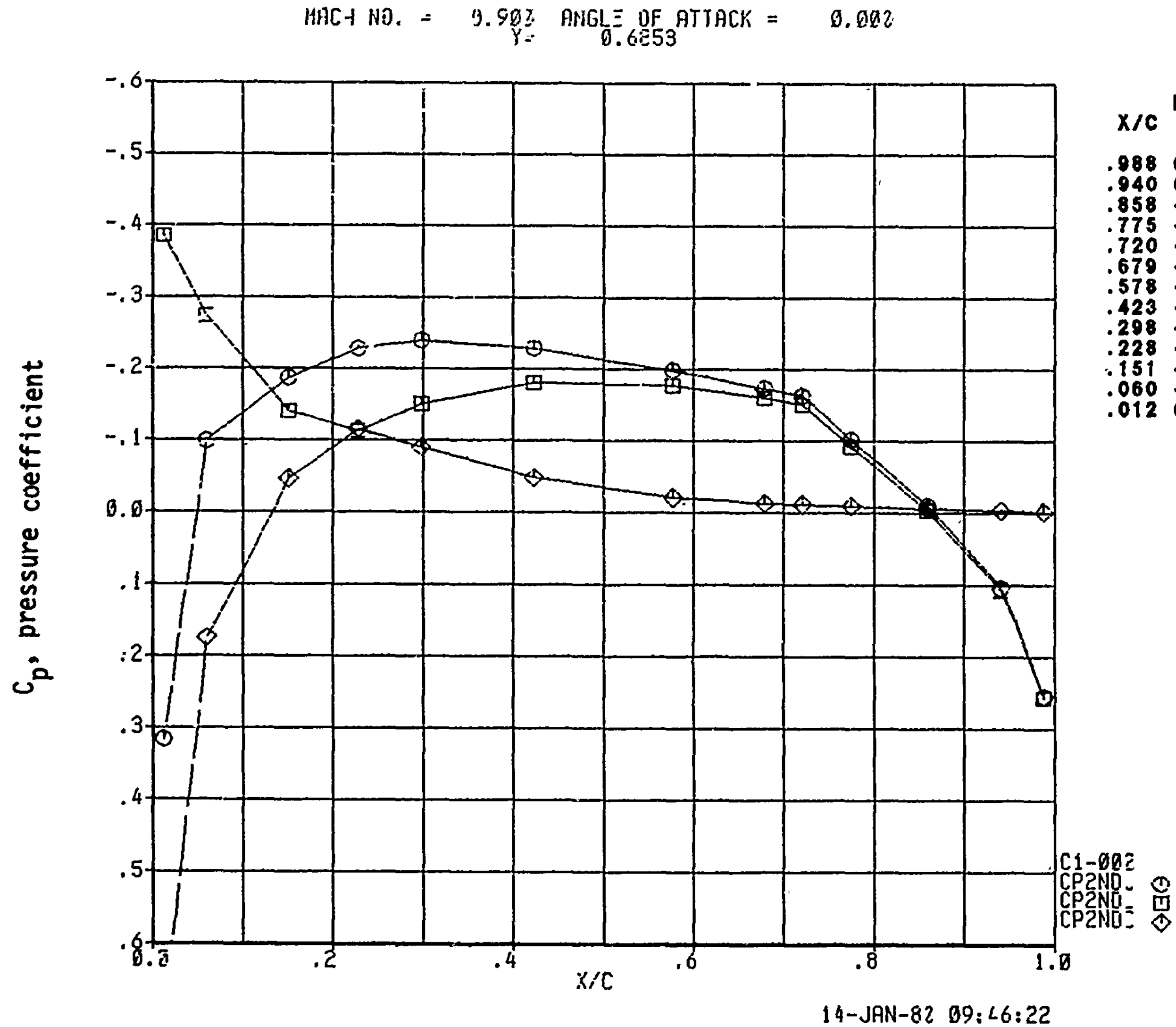
Figure 68, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.902 ANGLE OF ATTACK = -0.502
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2532 | 0.2505 | 0.0028 |
| .940 | 0.1049 | 0.1017 | 0.0032 |
| .858 | -.0071 | -.0109 | 0.0038 |
| .774 | -.0972 | -.1012 | 0.0041 |
| .720 | -.1565 | -.1606 | 0.0041 |
| .679 | -.1648 | -.1688 | 0.0041 |
| .578 | -.1855 | -.1870 | 0.0014 |
| .423 | -.2048 | -.1885 | -.0164 |
| .298 | -.2009 | -.1535 | -.0474 |
| .228 | -.1792 | -.1155 | -.0637 |
| .151 | -.1241 | -.1479 | 0.0238 |
| .060 | -.0131 | -.2711 | 0.2581 |
| .012 | 0.4051 | -.3909 | 0.7960 |

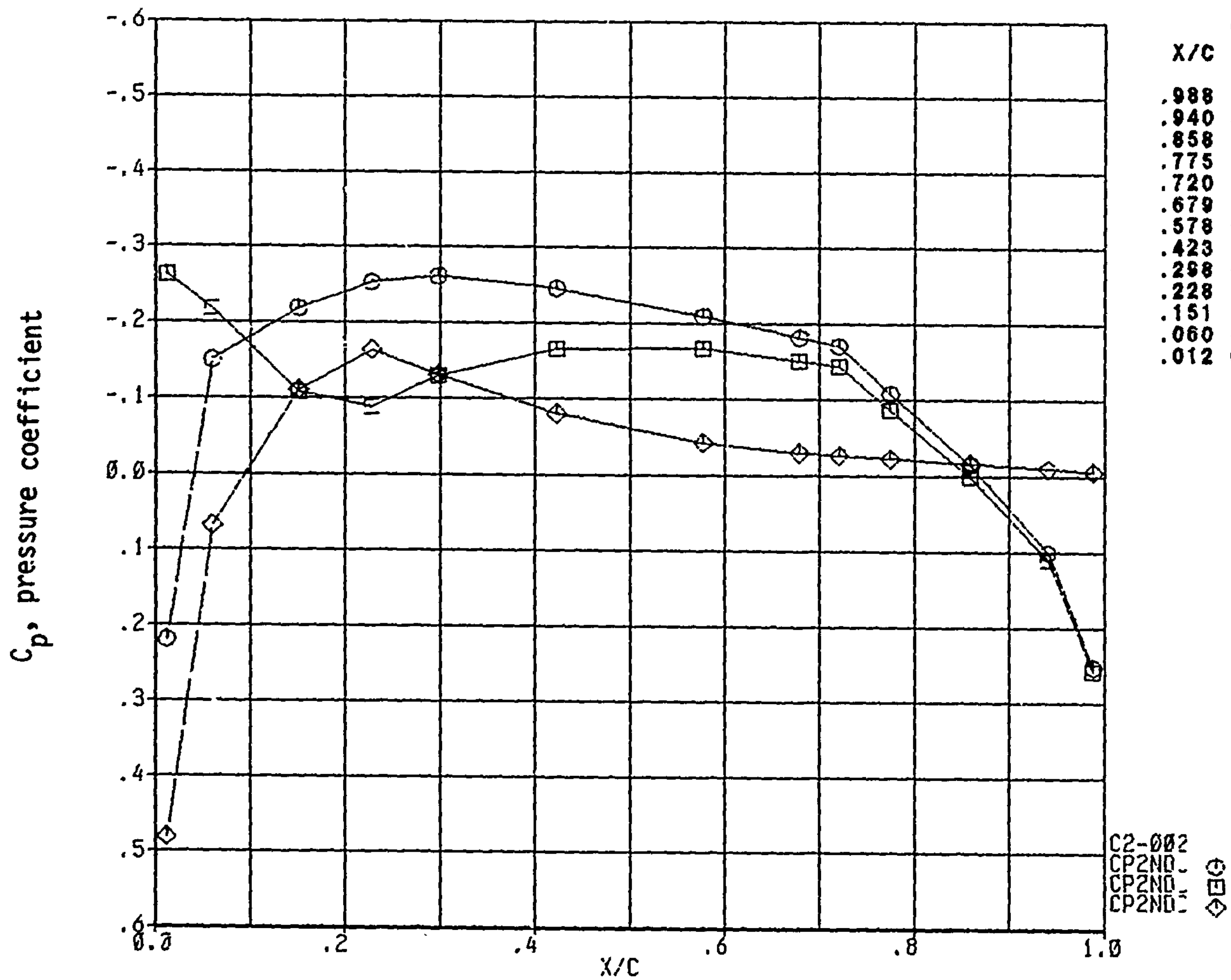
Figure 69, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2542 | 0.2557 | -.0015 |
| .940 | 0.1033 | 0.1067 | -.0034 |
| .858 | -.0102 | -.0039 | -.0063 |
| .775 | -.1015 | -.0921 | -.0094 |
| .720 | -.1626 | -.1512 | -.0115 |
| .679 | -.1726 | -.1595 | -.0132 |
| .578 | -.1981 | -.1773 | -.0208 |
| .423 | -.2289 | -.1808 | -.0481 |
| .298 | -.2395 | -.1499 | -.0897 |
| .228 | -.2284 | -.1132 | -.1153 |
| .151 | -.1863 | -.1403 | -.0460 |
| .060 | -.0984 | -.2733 | 0.1749 |
| .012 | 0.3150 | -.3852 | 0.7002 |

Figure 70, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.900 ANGLE OF ATTACK = 0.502
Y= 0.6253

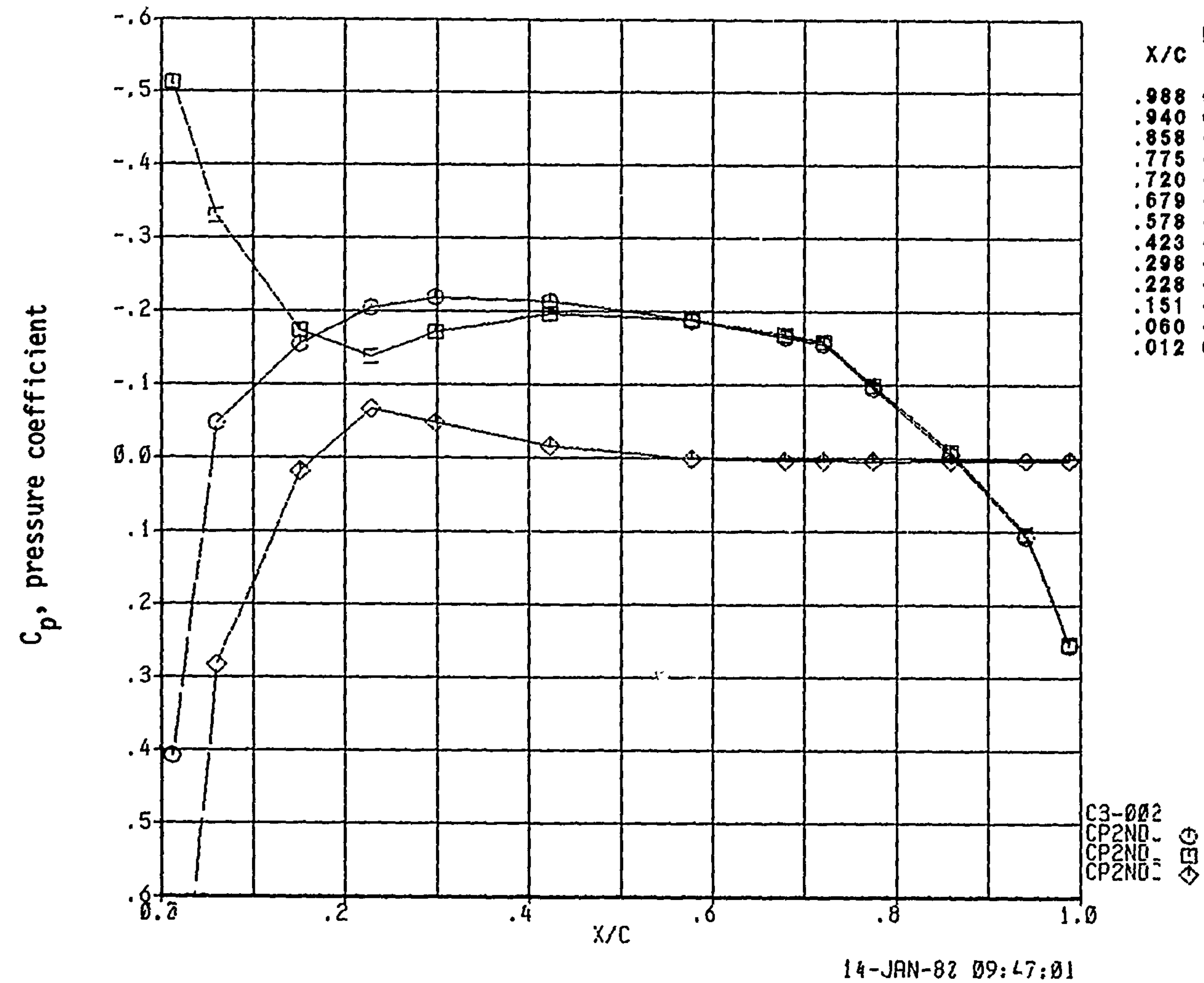



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2519 | 0.2578 | -.0059 |
| .940 | 0.0999 | 0.1099 | -.0101 |
| .858 | -.0152 | 0.0010 | -.0162 |
| .775 | -.1082 | -.0857 | -.0225 |
| .720 | -.1703 | -.1437 | -.0266 |
| .679 | -.1811 | -.1512 | -.0300 |
| .578 | -.2092 | -.1664 | -.0430 |
| .423 | -.2452 | -.1649 | -.0804 |
| .298 | -.2606 | -.1292 | -.1314 |
| .228 | -.2527 | -.0890 | -.1637 |
| .151 | -.2183 | -.1077 | -.1106 |
| .060 | -.1501 | -.2177 | 0.0676 |
| .012 | 0.2187 | -.2622 | 0.4808 |

14-JAN-82 09:46:43

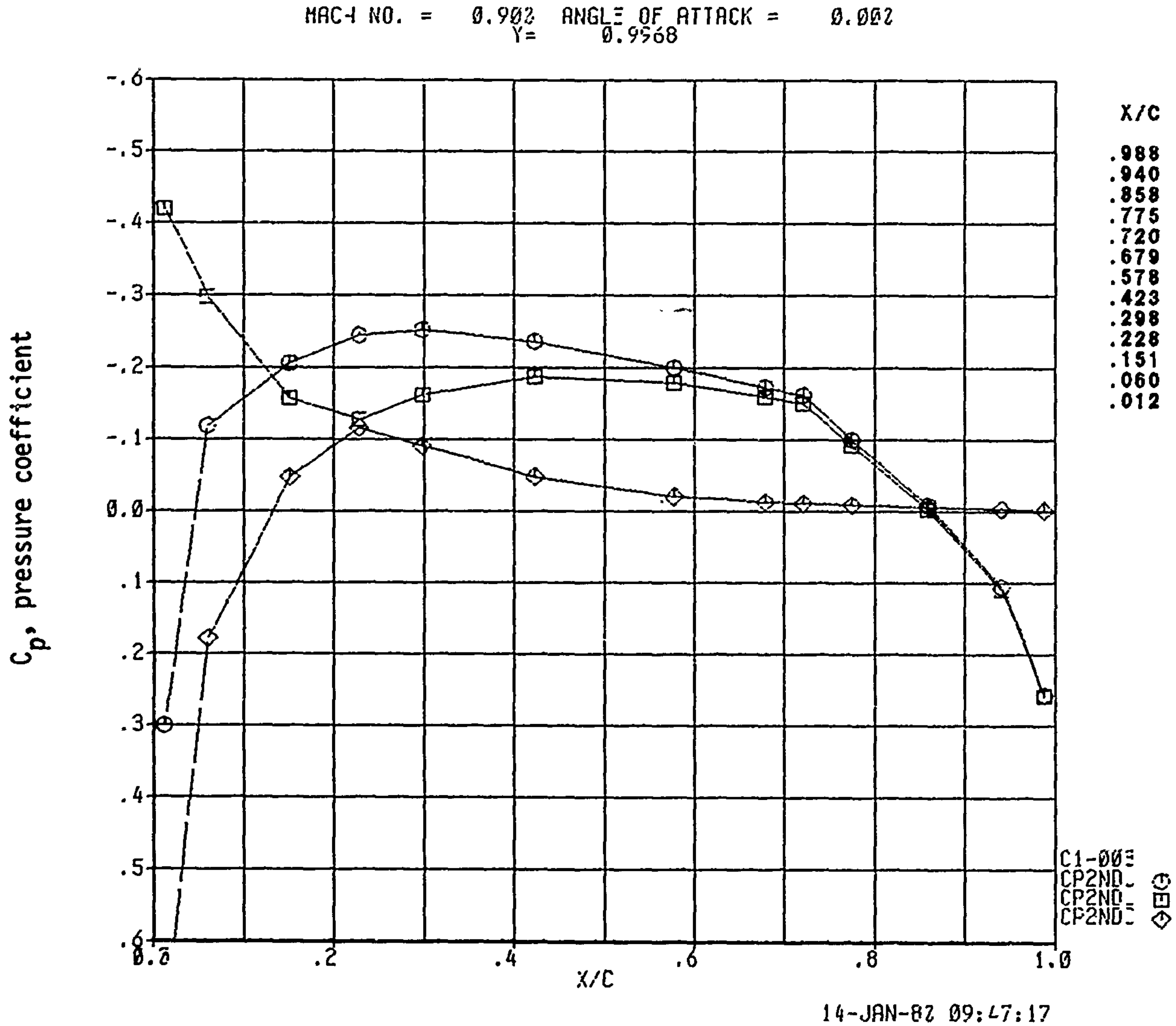
Figure 71 , Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.900 ANGLE OF ATTACK = -0.500
Y= 0.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2563 | 0.2534 | 0.0028 |
| .940 | 0.1065 | 0.1033 | 0.0032 |
| .858 | -.0053 | -.0089 | 0.0037 |
| .775 | -.0950 | -.0988 | 0.0039 |
| .720 | -.1551 | -.1589 | 0.0037 |
| .679 | -.1642 | -.1680 | 0.0036 |
| .578 | -.1871 | -.1885 | 0.0015 |
| .423 | -.2129 | -.1970 | -.0160 |
| .298 | -.2188 | -.1708 | -.0480 |
| .228 | -.2044 | -.1375 | -.0668 |
| .151 | -.1547 | -.1731 | 0.0184 |
| .060 | -.0477 | -.3299 | 0.2822 |
| .012 | 0.4070 | -.5125 | 0.9195 |

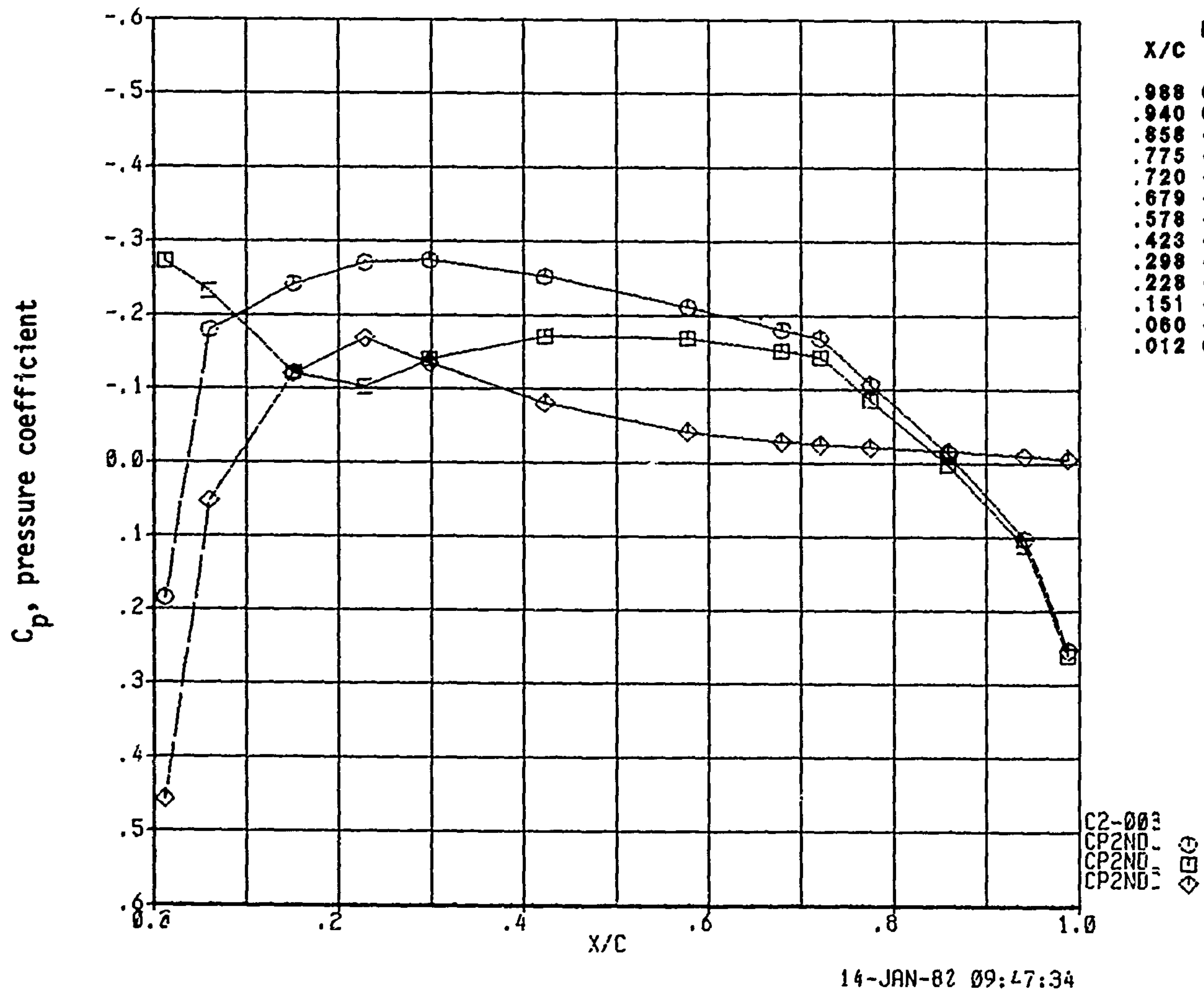
Figure 72, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2565 | 0.2580 | -.0015 |
| .940 | 0.1053 | 0.1086 | -.0033 |
| .858 | -.0085 | -.0024 | -.0061 |
| .775 | -.1002 | -.0912 | -.0091 |
| .720 | -.1619 | -.1507 | -.0112 |
| .679 | -.1725 | -.1596 | -.0129 |
| .578 | -.2001 | -.1794 | -.0207 |
| .423 | -.2361 | -.1876 | -.0484 |
| .298 | -.2521 | -.1615 | -.0906 |
| .228 | -.2444 | -.1280 | -.1163 |
| .151 | -.2058 | -.1576 | -.0482 |
| .060 | -.1185 | -.2968 | 0.1783 |
| .012 | 0.3000 | -.4196 | 0.7196 |

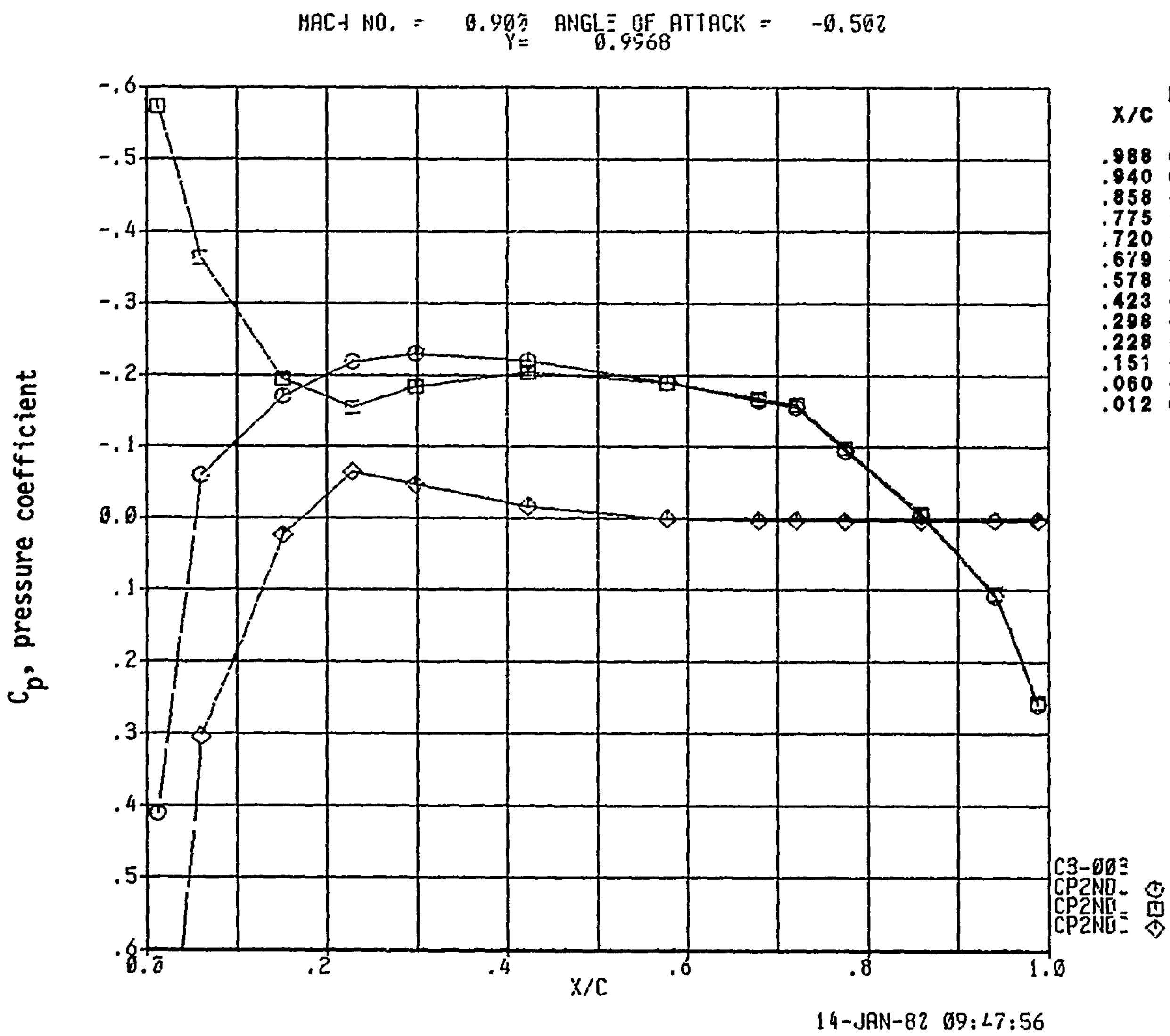
Figure 73, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.902 ANGLE OF ATTACK = 0.502
Y= 0.9968



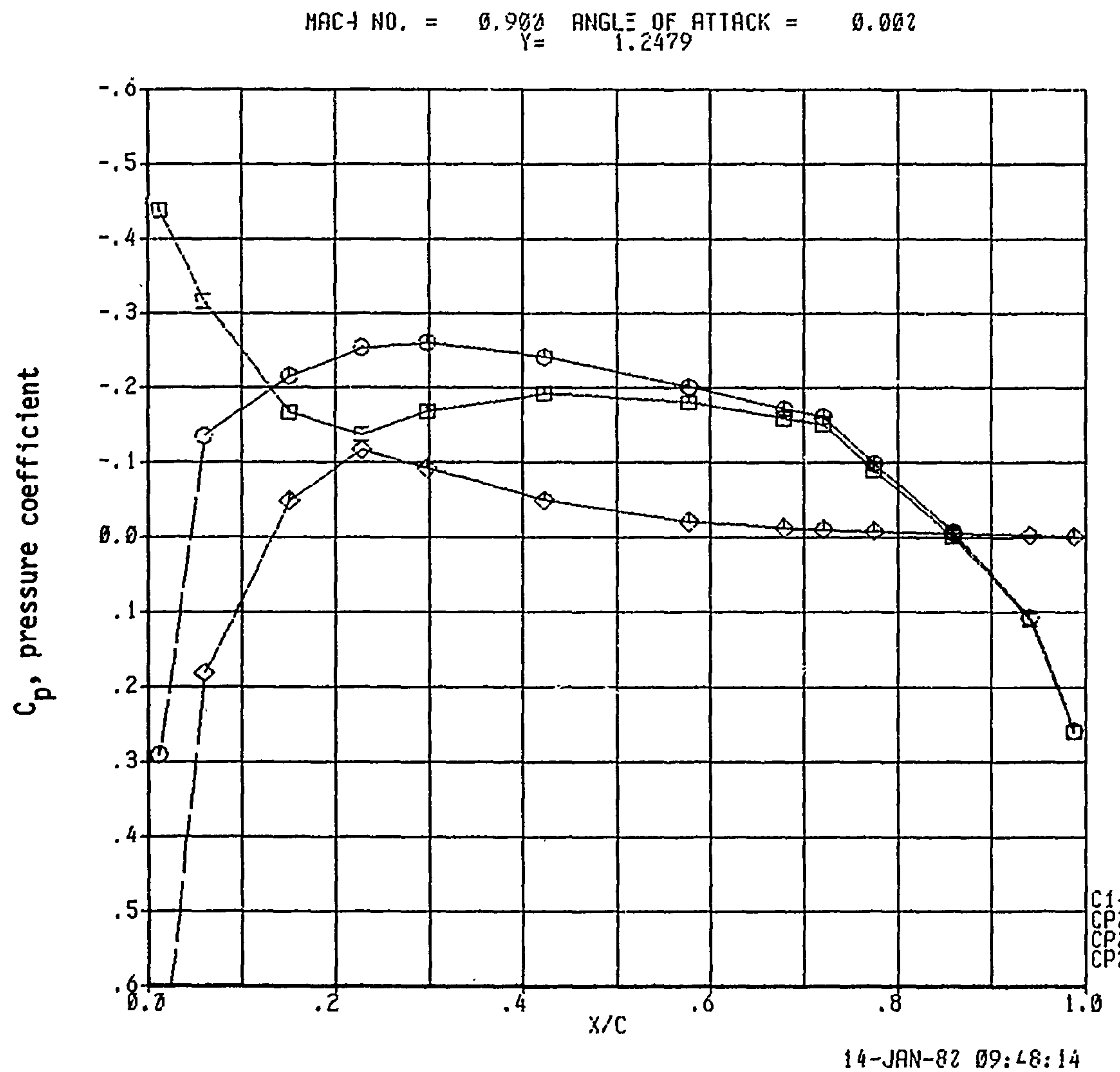

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2542 | 0.2601 | -.0059 |
| .940 | 0.1019 | 0.1118 | -.0099 |
| .858 | -.0133 | 0.0023 | -.0156 |
| .775 | -.1066 | -.0850 | -.0216 |
| .720 | -.1692 | -.1436 | -.0255 |
| .679 | -.1805 | -.1518 | -.0288 |
| .578 | -.2109 | -.1689 | -.0421 |
| .423 | -.2524 | -.1716 | -.0808 |
| .298 | -.2742 | -.1399 | -.1343 |
| .228 | -.2705 | -.1021 | -.1685 |
| .151 | -.2416 | -.1213 | -.1203 |
| .060 | -.1791 | -.2317 | 0.0526 |
| .012 | 0.1841 | -.2724 | 0.4565 |

Figure 74, Chordwise Pressure Distribution, Steady, Configuration 1



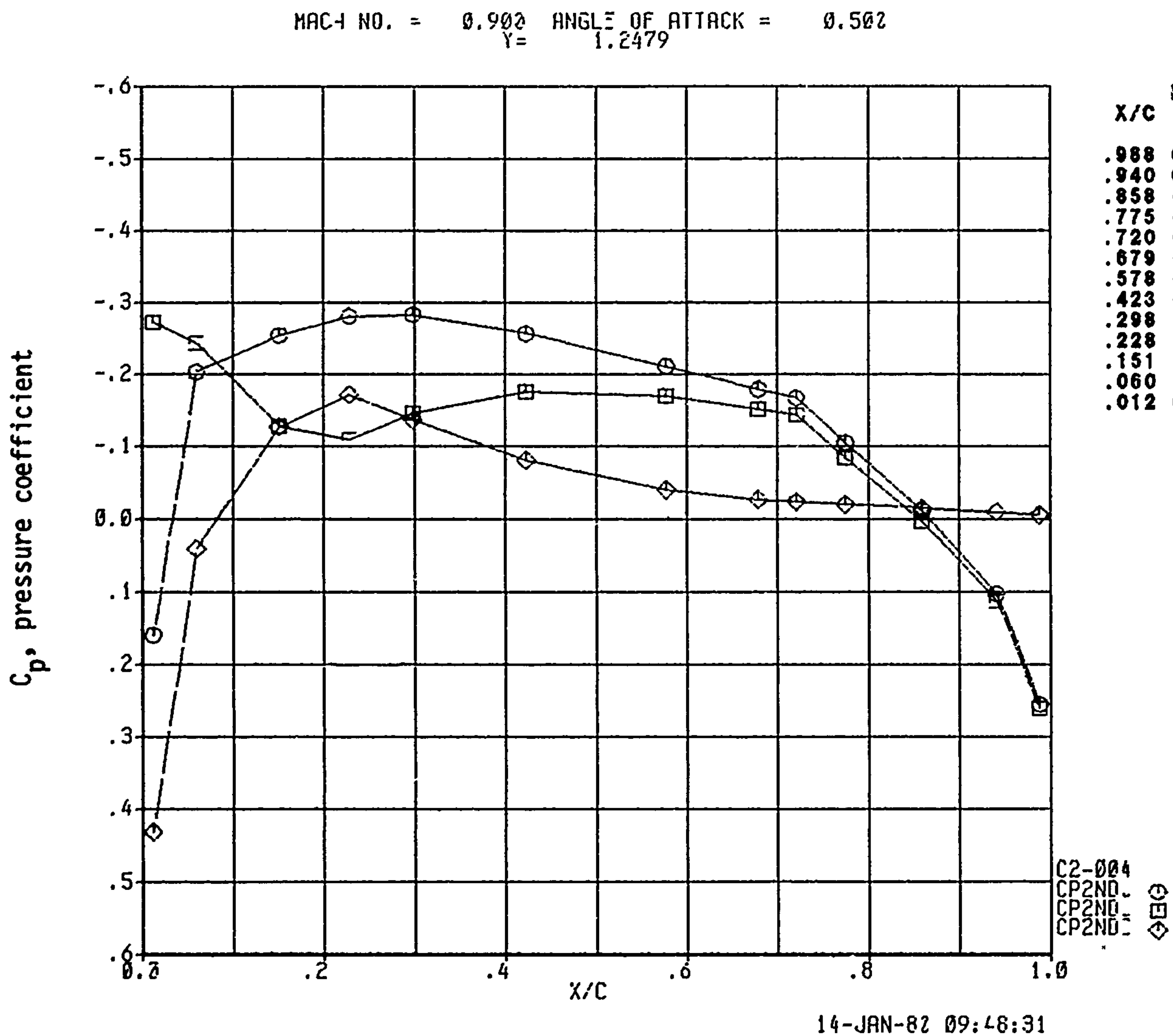

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2586 | 0.2557 | 0.0029 |
| .940 | 0.1084 | 0.1053 | 0.0032 |
| .858 | -.0038 | -.0073 | 0.0034 |
| .775 | -.0941 | -.0975 | 0.0035 |
| .720 | -.1548 | -.1580 | 0.0031 |
| .679 | -.1646 | -.1677 | 0.0029 |
| .578 | -.1895 | -.1901 | 0.0007 |
| .423 | -.2200 | -.2039 | -.0161 |
| .298 | -.2303 | -.1834 | -.0468 |
| .228 | -.2185 | -.1543 | -.0642 |
| .151 | -.1704 | -.1944 | 0.0240 |
| .060 | -.0590 | -.3629 | 0.3039 |
| .012 | 0.4099 | -.5728 | 0.9826 |

Figure 75 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2576 | 0.2590 | -.0014 |
| .940 | 0.1064 | 0.1095 | -.0031 |
| .858 | -.0071 | -.0014 | -.0058 |
| .775 | -.0987 | -.0901 | -.0085 |
| .720 | -.1605 | -.1498 | -.0106 |
| .679 | -.1714 | -.1590 | -.0124 |
| .578 | -.2004 | -.1798 | -.0207 |
| .423 | -.2409 | -.1917 | -.0491 |
| .298 | -.2601 | -.1683 | -.0917 |
| .228 | -.2532 | -.1363 | -.1169 |
| .151 | -.2152 | -.1665 | -.0487 |
| .060 | -.1355 | -.3162 | 0.1806 |
| .012 | 0.2904 | -.4373 | 0.7277 |

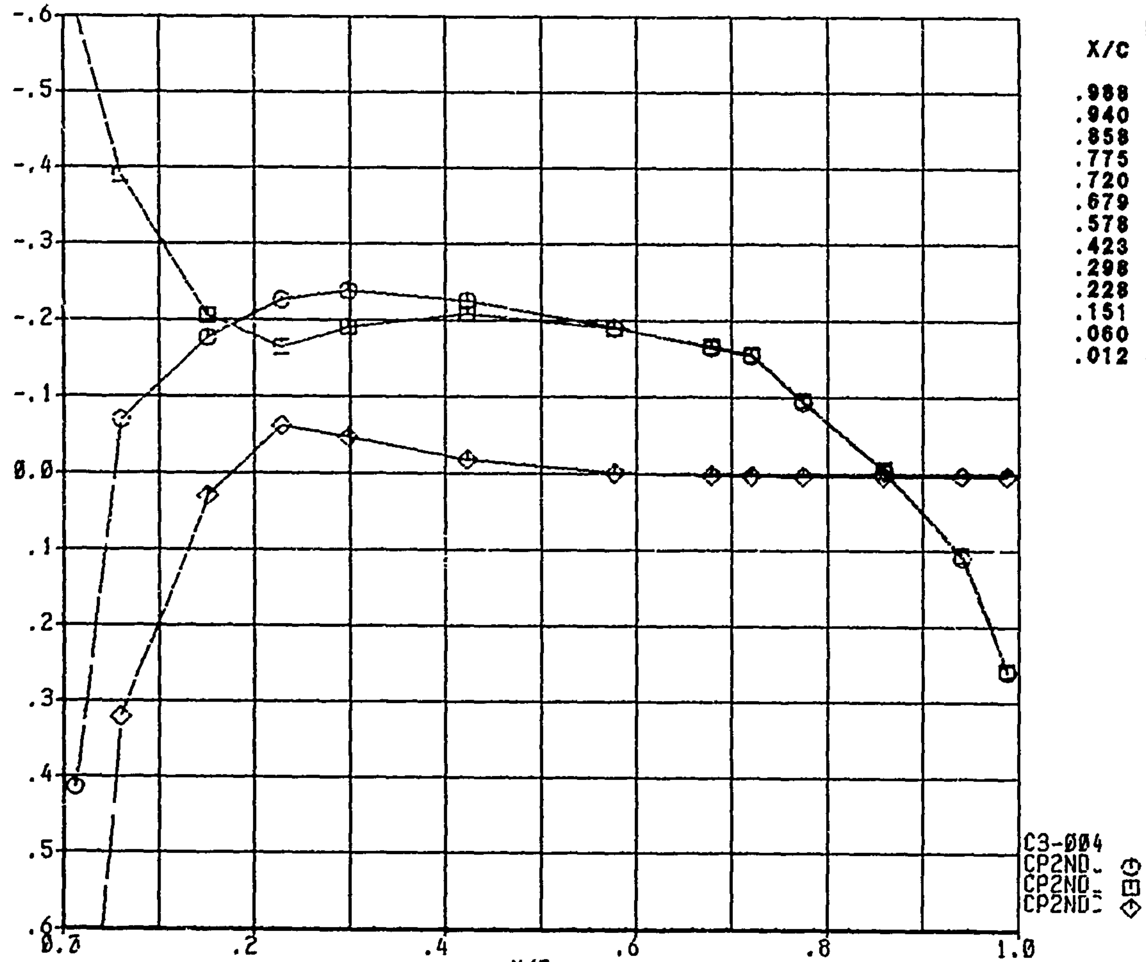
Figure 76 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2553 | 0.2611 | -.0058 |
| .940 | 0.1030 | 0.1126 | -.0095 |
| .858 | -.0117 | 0.0030 | -.0147 |
| .775 | -.1046 | -.0844 | -.0202 |
| .720 | -.1672 | -.1434 | -.0239 |
| .679 | -.1788 | -.1518 | -.0270 |
| .578 | -.2105 | -.1700 | -.0405 |
| .423 | -.2569 | -.1761 | -.0807 |
| .298 | -.2827 | -.1462 | -.1364 |
| .228 | -.2808 | -.1091 | -.1717 |
| .151 | -.2540 | -.1272 | -.1267 |
| .060 | -.2031 | -.2440 | 0.0409 |
| .012 | 0.1595 | -.2719 | 0.4315 |

Figure 77, Chordwise Pressure Distribution, Steady, Configuration 1

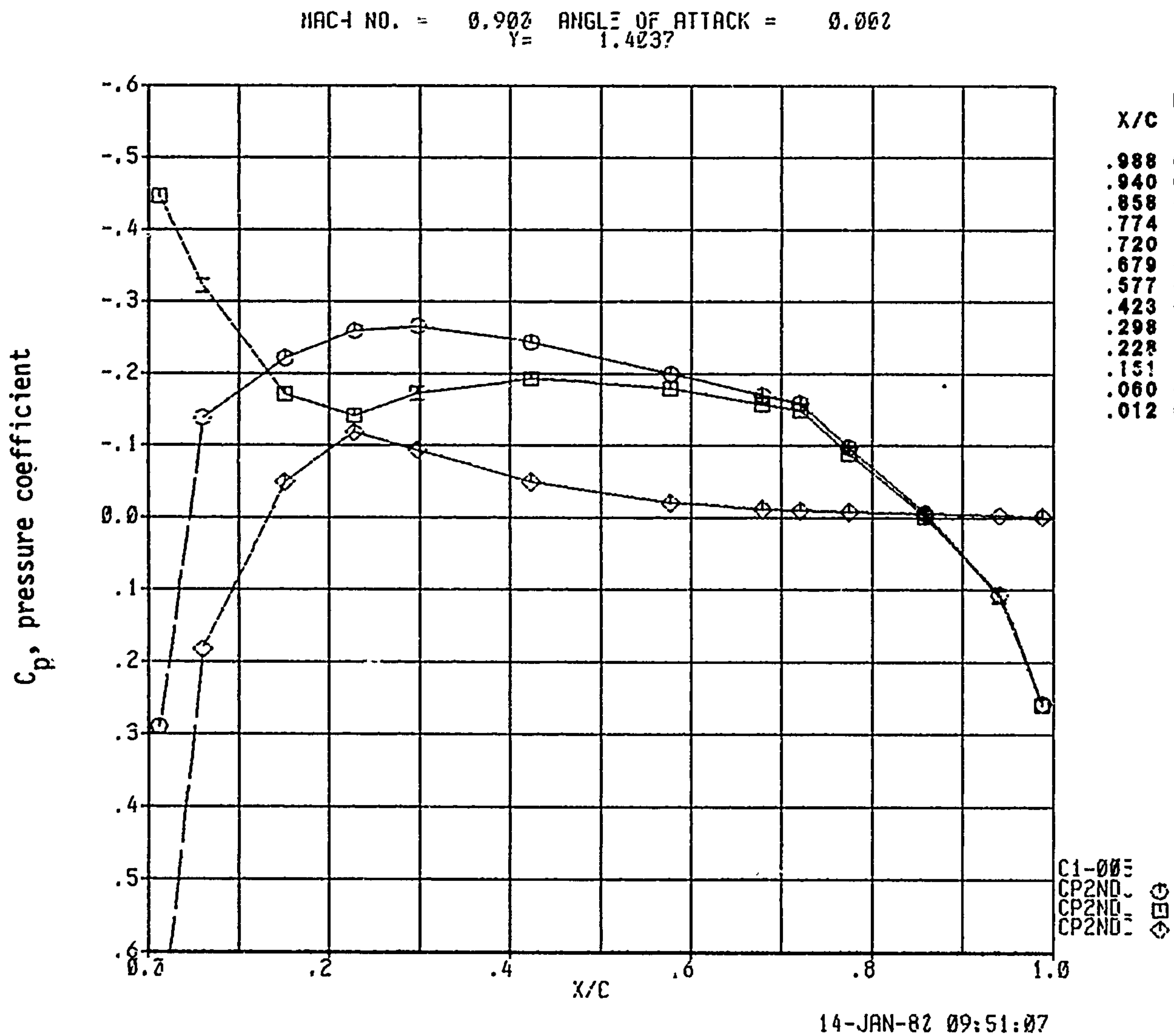
MACH NO. = 0.900 ANGLE OF ATTACK = -0.502
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2597 | 0.2567 | 0.0031 |
| .940 | 0.1094 | 0.1062 | 0.0031 |
| .858 | -.0028 | -.0060 | 0.0032 |
| .775 | -.0930 | -.0960 | 0.0030 |
| .720 | -.1540 | -.1565 | 0.0025 |
| .679 | -.1642 | -.1664 | 0.0021 |
| .578 | -.1906 | -.1899 | -.0008 |
| .423 | -.2251 | -.2077 | -.0175 |
| .298 | -.2377 | -.1907 | -.0470 |
| .228 | -.2259 | -.1640 | -.0620 |
| .151 | -.1768 | -.2063 | 0.0294 |
| .060 | -.0695 | -.3898 | 0.3203 |
| .012 | 0.4137 | -.6101 | 1.0238 |

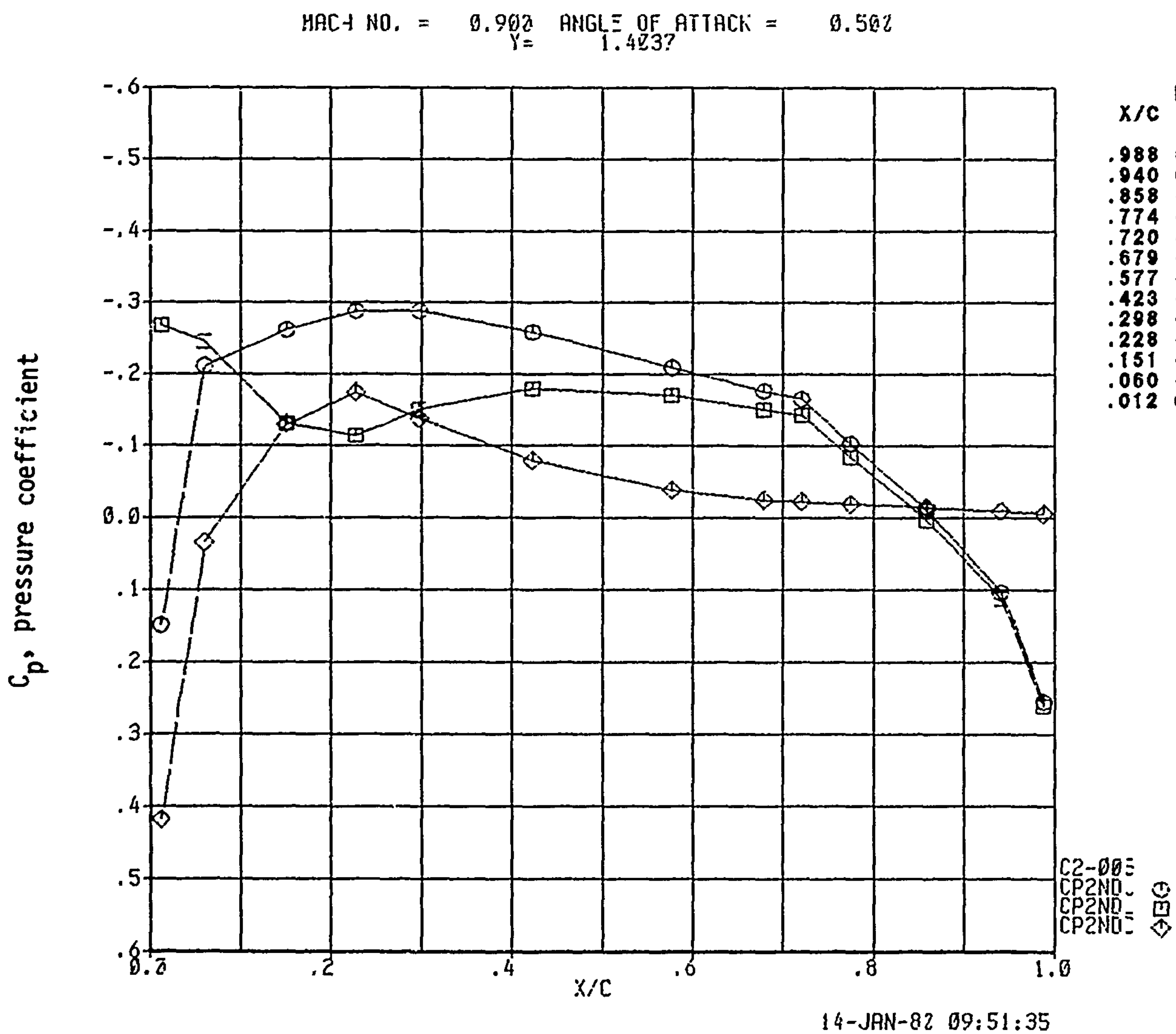
14-JAN-82 09:48:51

Figure 78 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2576 | 0.2590 | -.0013 |
| .940 | 0.1065 | 0.1095 | -.0030 |
| .858 | -.0063 | -.0009 | -.0054 |
| .774 | -.0972 | -.0891 | -.0080 |
| .720 | -.1587 | -.1488 | -.0099 |
| .679 | -.1693 | -.1578 | -.0117 |
| .577 | -.1994 | -.1791 | -.0203 |
| .423 | -.2433 | -.1936 | -.0497 |
| .298 | -.2655 | -.1722 | -.0932 |
| .228 | -.2593 | -.1412 | -.1181 |
| .151 | -.2211 | -.1719 | -.0492 |
| .060 | -.1386 | -.3214 | 0.1827 |
| .012 | 0.2893 | -.4454 | 0.7347 |

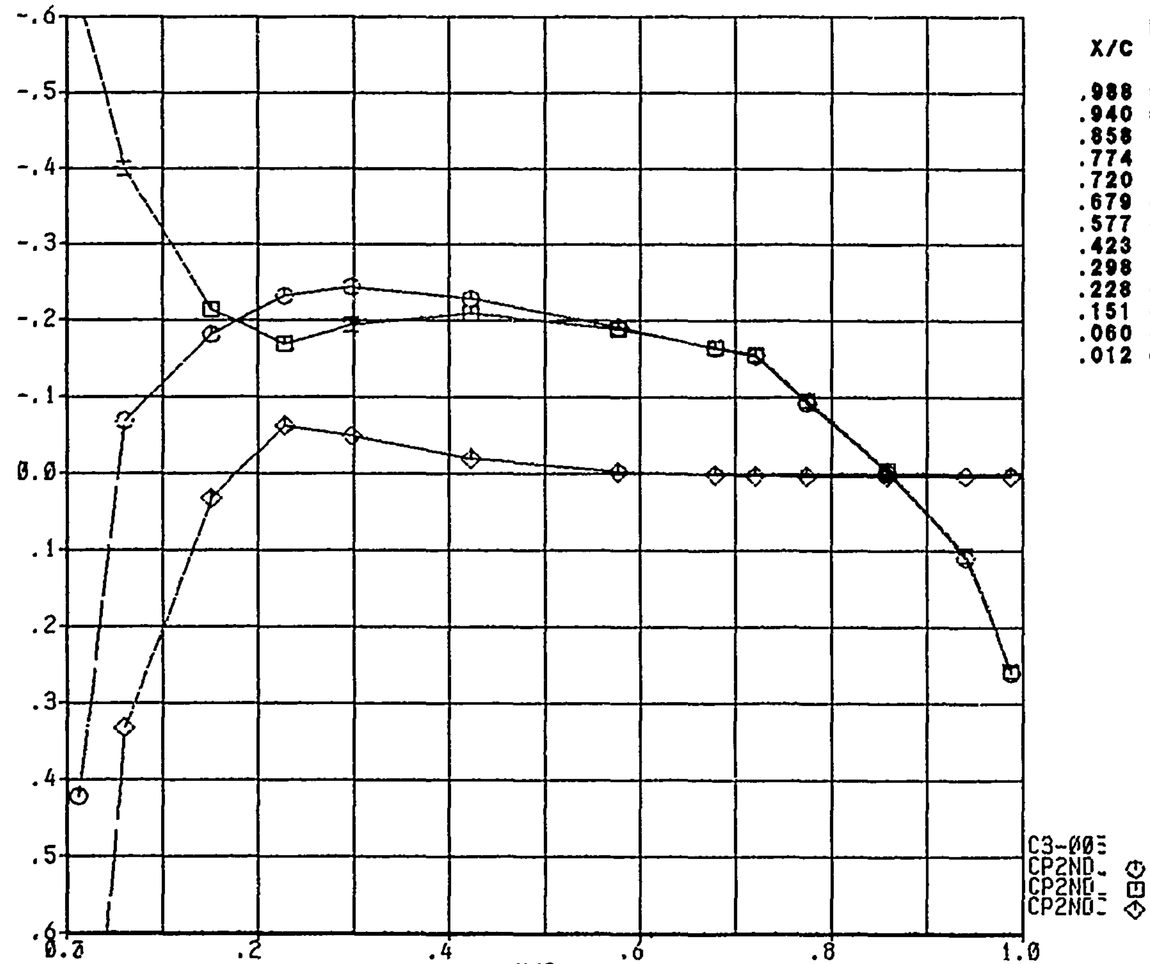
Figure 79, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2553 | 0.2611 | -.0057 |
| .940 | 0.1034 | 0.1125 | -.0091 |
| .858 | -.0107 | 0.0032 | -.0139 |
| .774 | -.1026 | -.0839 | -.0189 |
| .720 | -.1649 | -.1428 | -.0222 |
| .679 | -.1763 | -.1512 | -.0250 |
| .577 | -.2087 | -.1701 | -.0386 |
| .423 | -.2586 | -.1786 | -.0800 |
| .298 | -.2879 | -.1504 | -.1375 |
| .228 | -.2873 | -.1135 | -.1737 |
| .151 | -.2617 | -.1311 | -.1305 |
| .060 | -.2105 | -.2446 | 0.0341 |
| .012 | 0.1487 | -.2684 | 0.4171 |

Figure 80 , Chordwise Pressure Distribution, Steady, Configuration 1

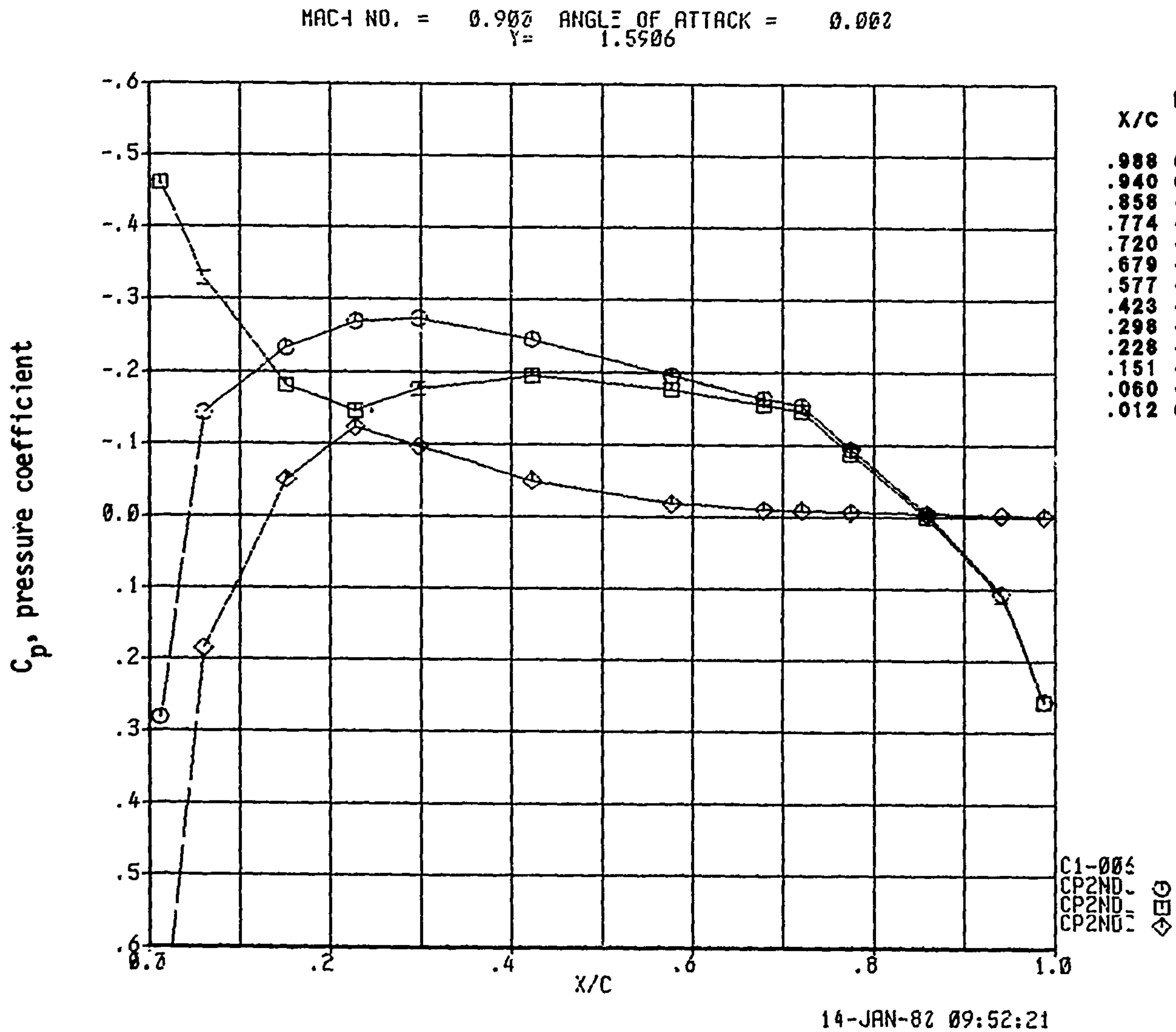
MACH NO. = 0.902 ANGLE OF ATTACK = -0.502
Y= 1.4237




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.2597 | 0.2566 | 0.0032 |
| .940 | 0.1095 | 0.1063 | 0.0032 |
| .858 | -.0022 | -.0053 | 0.0031 |
| .774 | -.0919 | -.0947 | 0.0028 |
| .720 | -.1528 | -.1550 | 0.0023 |
| .679 | -.1630 | -.1646 | 0.0017 |
| .577 | -.1903 | -.1885 | -.0019 |
| .423 | -.2283 | -.2088 | -.0194 |
| .298 | -.2434 | -.1944 | -.0489 |
| .228 | -.2316 | -.1692 | -.0625 |
| .151 | -.1812 | -.2134 | 0.0322 |
| .060 | -.0683 | -.3997 | 0.3314 |
| .012 | 0.4214 | -.6309 | 1.0523 |

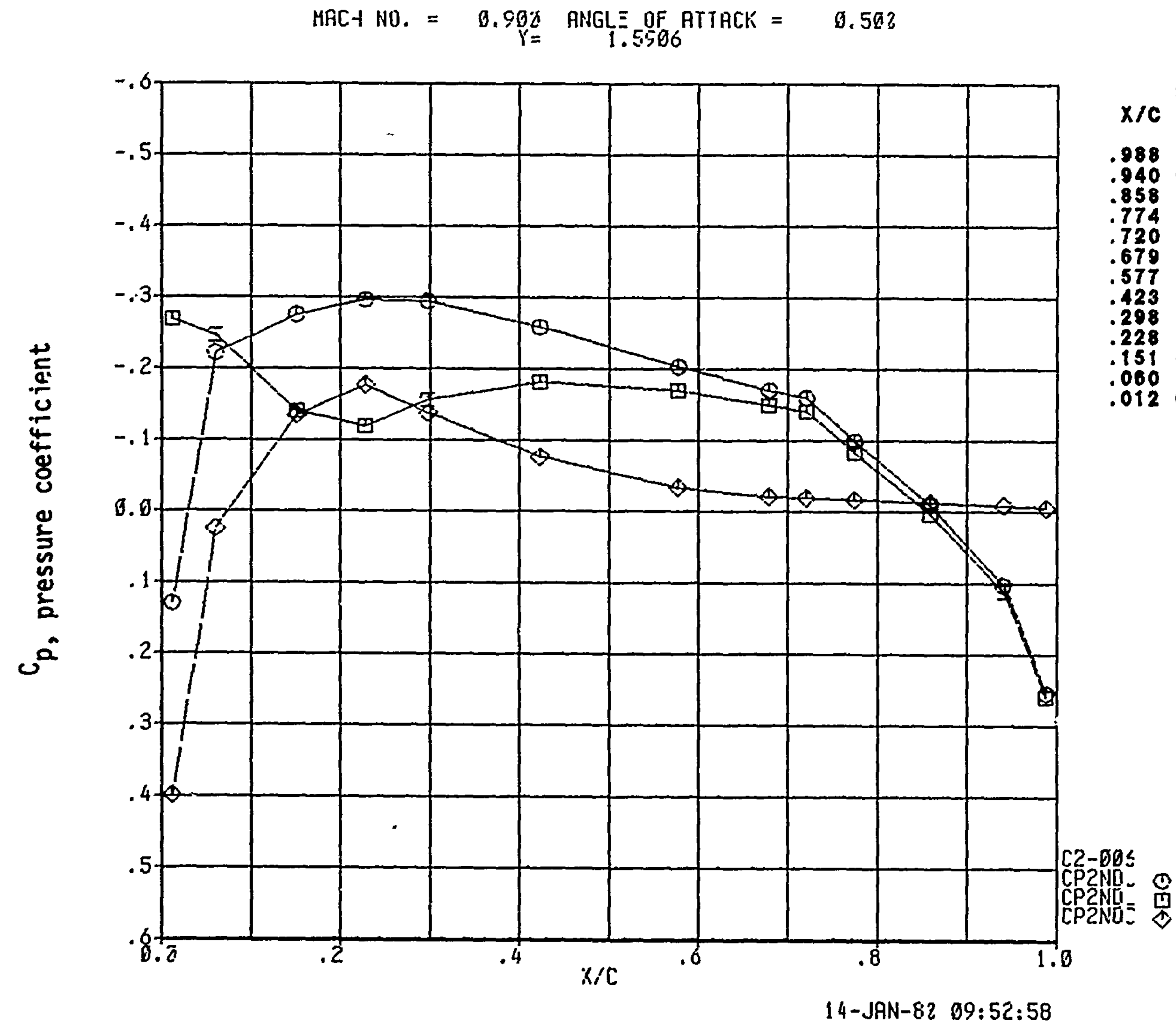
14-JAN-82 09:52:01

Figure 81 , Chordwise Pressure Distribution, Steady, Configuration 1



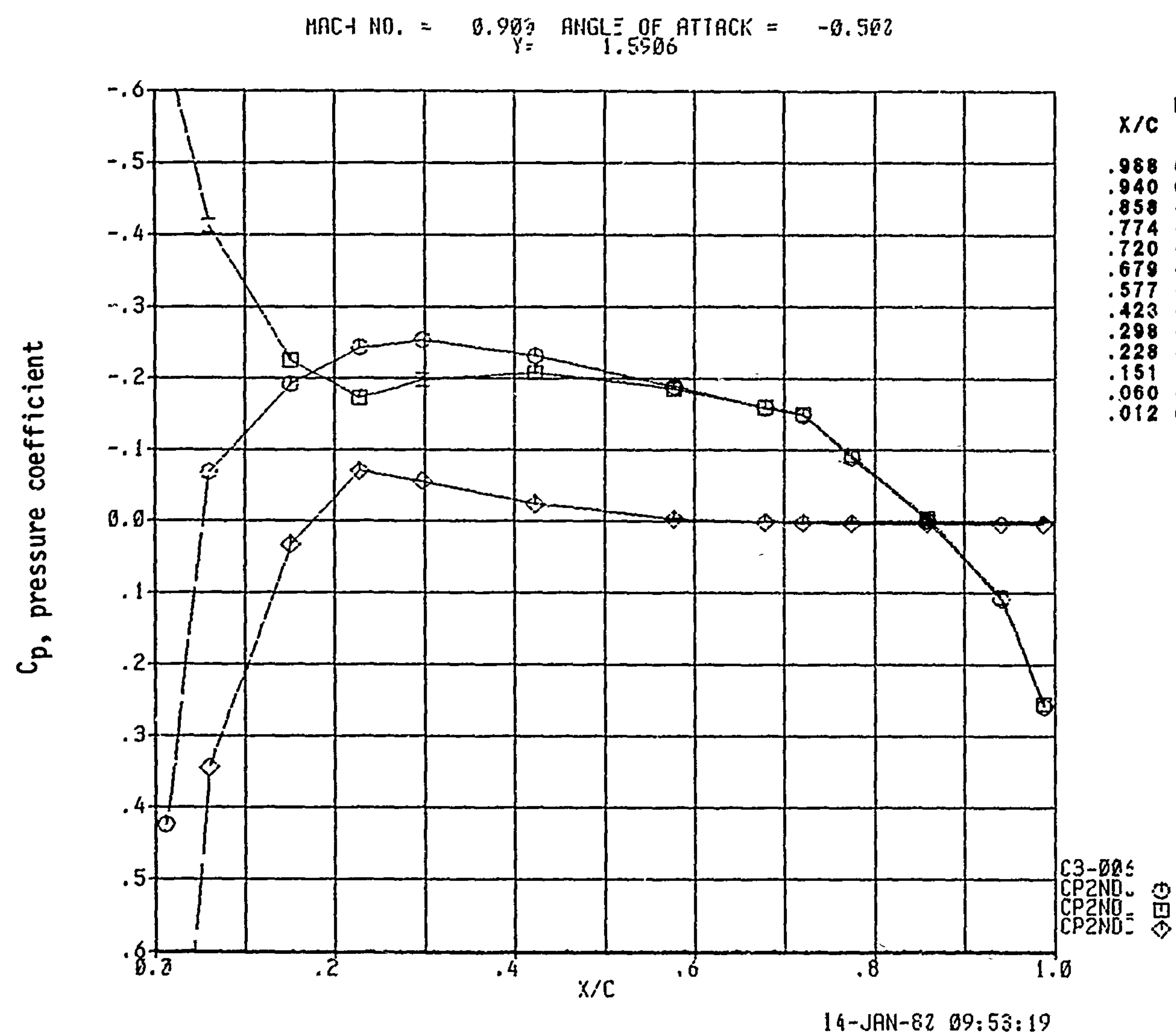

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2564 | 0.2575 | -.0011 |
| .940 | 0.1059 | 0.1085 | -.0026 |
| .858 | -.0053 | -.0007 | -.0046 |
| .774 | -.0938 | -.0870 | -.0068 |
| .720 | -.1540 | -.1455 | -.0084 |
| .679 | -.1642 | -.1544 | -.0099 |
| .577 | -.1953 | -.1771 | -.0183 |
| .423 | -.2450 | -.1948 | -.0502 |
| .298 | -.2733 | -.1768 | -.0965 |
| .228 | -.2694 | -.1458 | -.1237 |
| .151 | -.2330 | -.1820 | -.0510 |
| .060 | -.1436 | -.3284 | 0.1848 |
| .012 | 0.2813 | -.4600 | 0.7413 |

Figure 82, Chordwise Pressure Distribution, Steady, Configuration 1



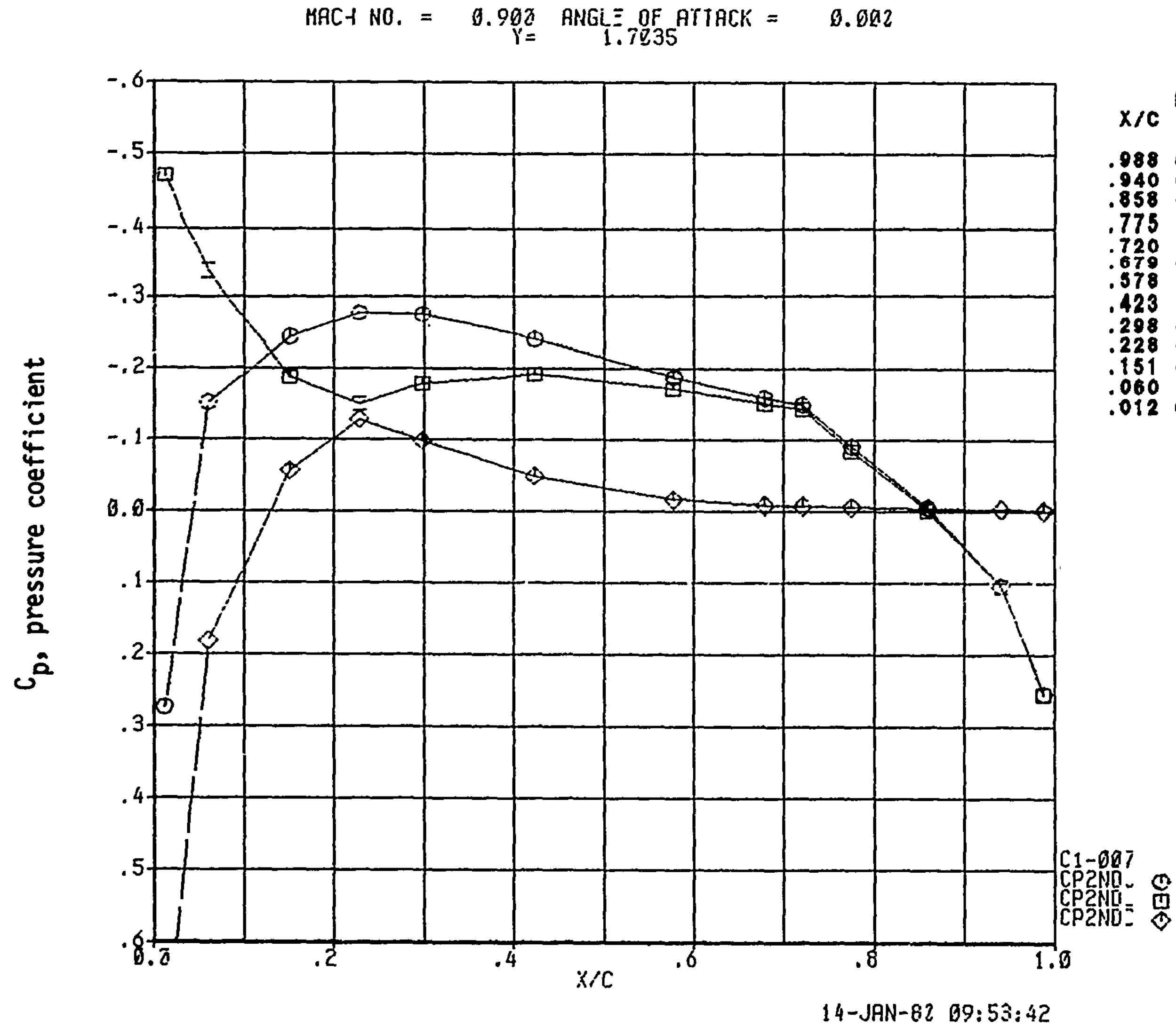

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2540 | 0.2596 | -.0056 |
| .940 | 0.1028 | 0.1112 | -.0085 |
| .858 | -.0094 | 0.0031 | -.0125 |
| .774 | -.0988 | -.0823 | -.0166 |
| .720 | -.1595 | -.1404 | -.0191 |
| .679 | -.1701 | -.1488 | -.0213 |
| .577 | -.2031 | -.1695 | -.0336 |
| .423 | -.2585 | -.1816 | -.0768 |
| .298 | -.2941 | -.1566 | -.1375 |
| .228 | -.2965 | -.1191 | -.1774 |
| .151 | -.2747 | -.1400 | -.1347 |
| .060 | -.2211 | -.2460 | 0.0249 |
| .012 | 0.1289 | -.2690 | 0.3979 |

Figure 83 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2584 | 0.2551 | 0.0034 |
| .940 | 0.1086 | 0.1053 | 0.0033 |
| .858 | -.0016 | -.0048 | 0.0032 |
| .774 | -.0891 | -.0920 | 0.0028 |
| .720 | -.1488 | -.1510 | 0.0022 |
| .679 | -.1586 | -.1602 | 0.0016 |
| .577 | -.1878 | -.1849 | -.0029 |
| .423 | -.2319 | -.2082 | -.0237 |
| .298 | -.2529 | -.1974 | -.0555 |
| .228 | -.2427 | -.1728 | -.0699 |
| .151 | -.1919 | -.2247 | 0.0328 |
| .060 | -.0681 | -.4127 | 0.3445 |
| .012 | 0.4238 | -.6608 | 1.0847 |

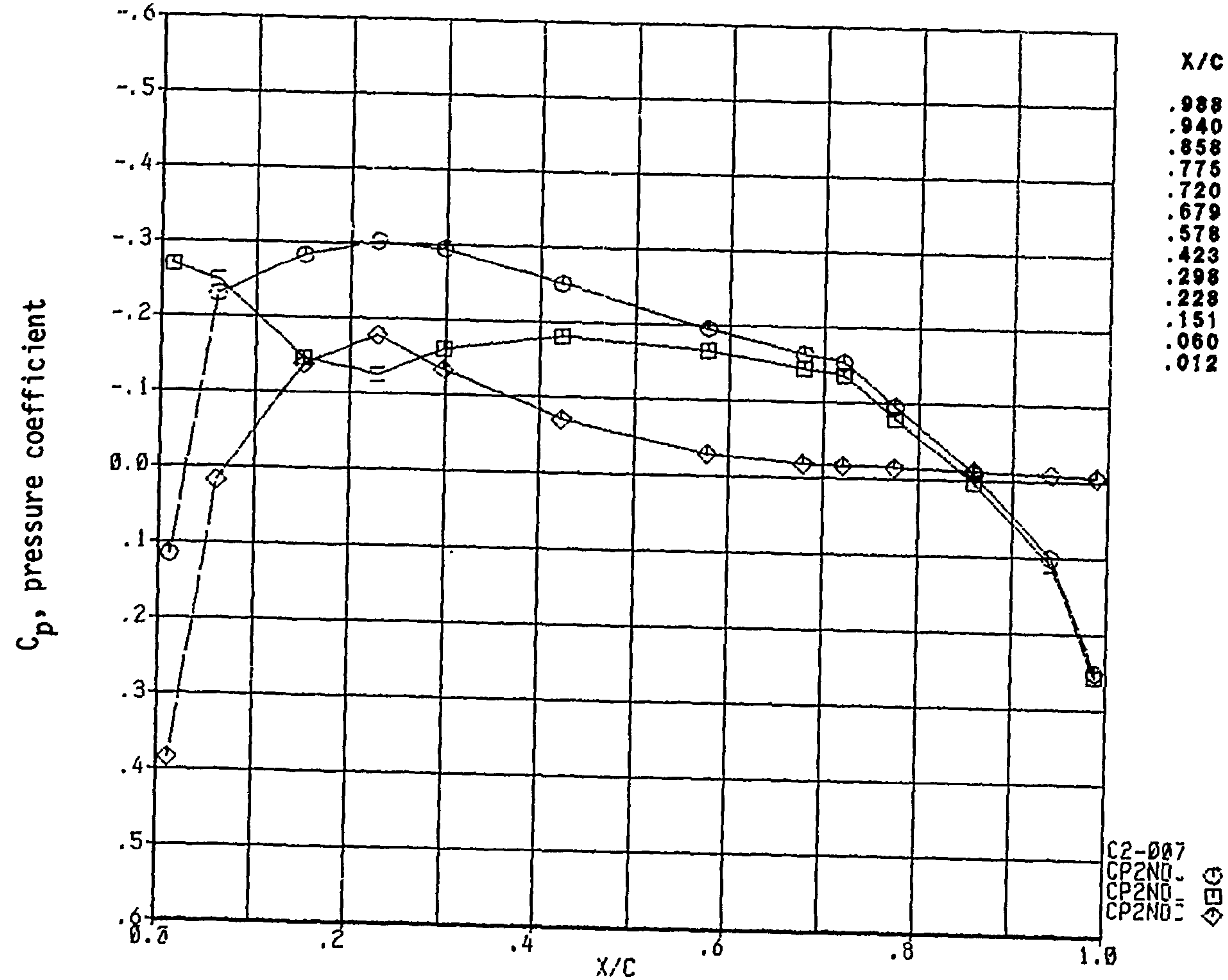
Figure 84, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE UPPER | COEFFICIENT LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2537 | 0.2547 | -.0009 |
| .940 | 0.1038 | 0.1061 | -.0023 |
| .858 | -.0048 | -.0008 | -.0039 |
| .775 | -.0902 | -.0844 | -.0058 |
| .720 | -.1487 | -.1417 | -.0070 |
| .679 | -.1580 | -.1499 | -.0081 |
| .578 | -.1875 | -.1717 | -.0157 |
| .423 | -.2397 | -.1914 | -.0483 |
| .298 | -.2764 | -.1782 | -.0982 |
| .228 | -.2776 | -.1497 | -.1279 |
| .151 | -.2429 | -.1869 | -.0561 |
| .060 | -.1508 | -.3319 | 0.1811 |
| .012 | 0.2734 | -.4667 | 0.7401 |

Figure 85, Chordwise Pressure Distribution, Steady, Configuration 1

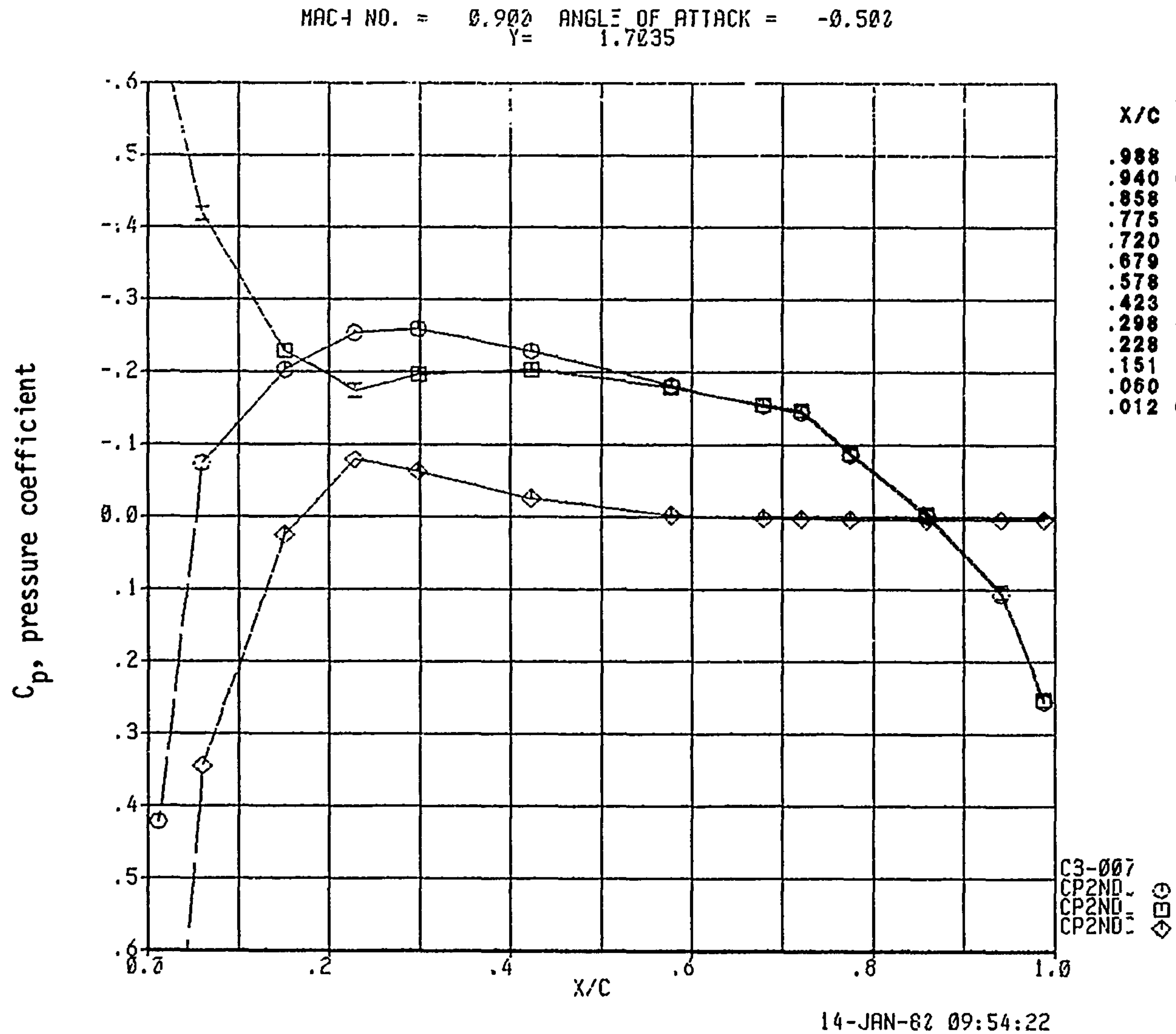
MACH NO. = 0.900 ANGLE OF ATTACK = 0.500
Y= 1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2512 | 0.2568 | -.0057 |
| .940 | 0.1007 | 0.1088 | -.0081 |
| .858 | -.0087 | 0.0028 | -.0115 |
| .775 | -.0948 | -.0800 | -.0148 |
| .720 | -.1537 | -.1370 | -.0167 |
| .679 | -.1633 | -.1450 | -.0183 |
| .578 | -.1942 | -.1654 | -.0288 |
| .423 | -.2512 | -.1805 | -.0707 |
| .298 | -.2945 | -.1607 | -.1337 |
| .228 | -.3024 | -.1254 | -.1770 |
| .151 | -.2834 | -.1462 | -.1372 |
| .060 | -.2297 | -.2480 | 0.0182 |
| .012 | 0.1151 | -.2687 | 0.3839 |

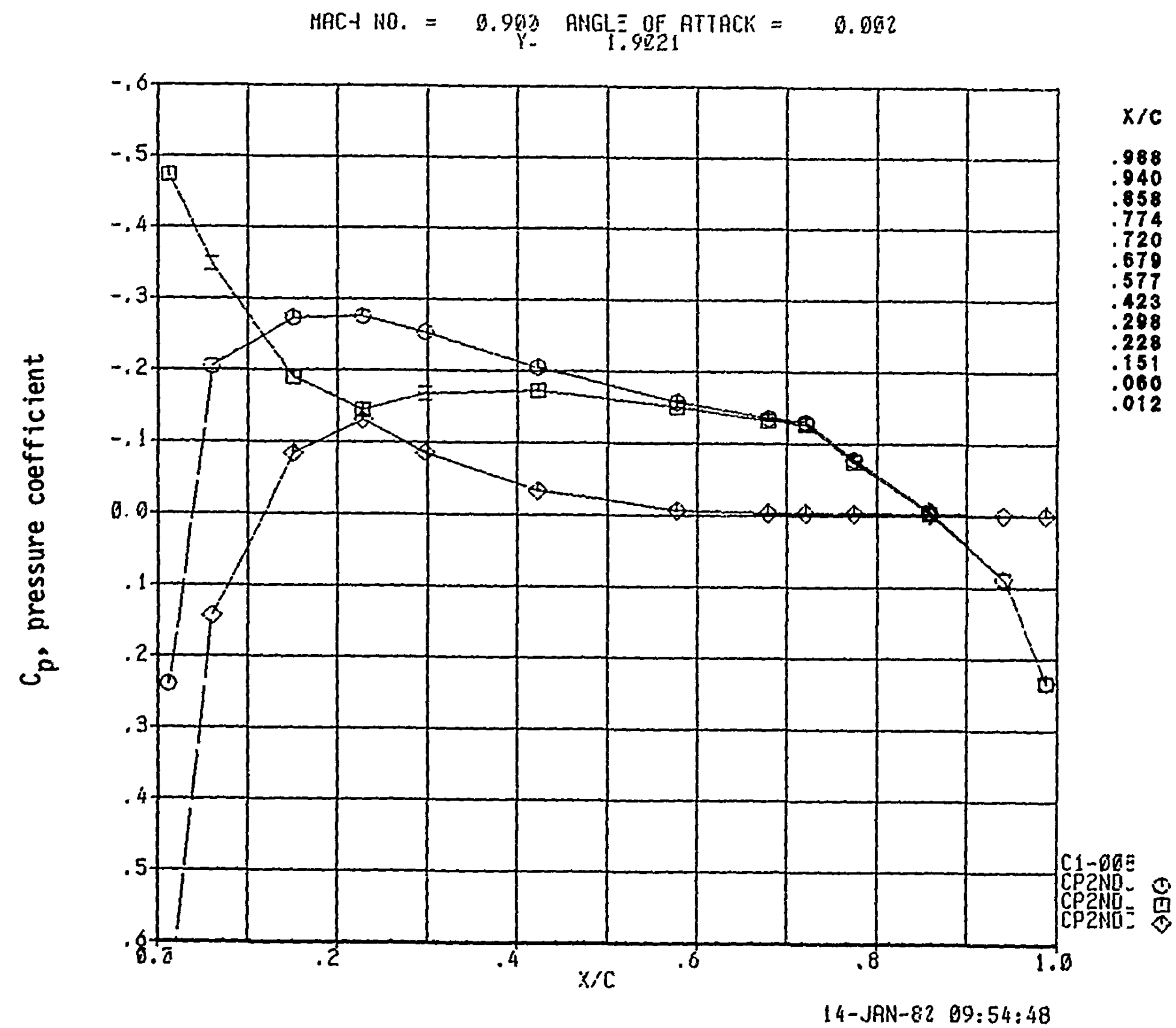
14-JAN-82 09:54:04

Figure 86, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2558 | 0.2520 | 0.0037 |
| .940 | 0.1065 | 0.1029 | 0.0036 |
| .858 | -.0013 | -.0048 | 0.0035 |
| .775 | -.0859 | -.0891 | 0.0031 |
| .720 | -.1441 | -.1468 | 0.0026 |
| .679 | -.1532 | -.1552 | 0.0021 |
| .578 | -.1812 | -.1786 | -.0026 |
| .423 | -.2288 | -.2028 | -.0260 |
| .298 | -.2588 | -.1961 | -.0627 |
| .228 | -.2533 | -.1744 | -.0790 |
| .151 | -.2032 | -.2283 | 0.0250 |
| .060 | -.0739 | -.4178 | 0.3439 |
| .012 | 0.4211 | -.6753 | 1.0963 |

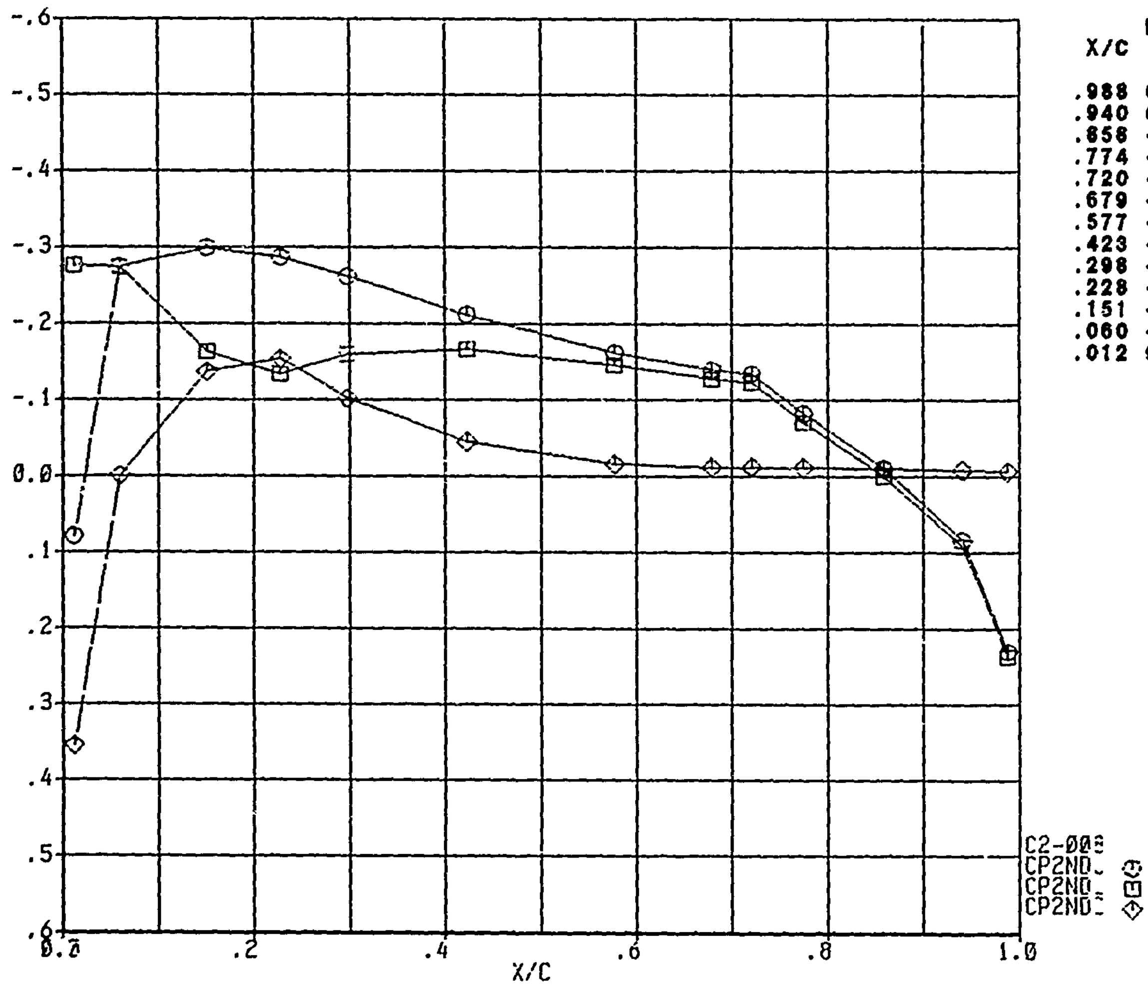
Figure 87, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2336 | 0.2340 | -.0004 |
| .940 | 0.0879 | 0.0890 | -.0012 |
| .858 | -.0062 | -.0041 | -.0021 |
| .774 | -.0777 | -.0747 | -.0030 |
| .720 | -.1298 | -.1263 | -.0035 |
| .679 | -.1353 | -.1317 | -.0036 |
| .577 | -.1573 | -.1505 | -.0068 |
| .423 | -.2052 | -.1722 | -.0330 |
| .298 | -.2530 | -.1677 | -.0853 |
| .228 | -.2754 | -.1445 | -.1308 |
| .151 | -.2729 | -.1897 | -.0832 |
| .060 | -.2045 | -.3479 | 0.1435 |
| .012 | 0.2382 | -.4726 | 0.7108 |

Figure 88, Chordwise Pressure Distribution, Steady, Configuration 1

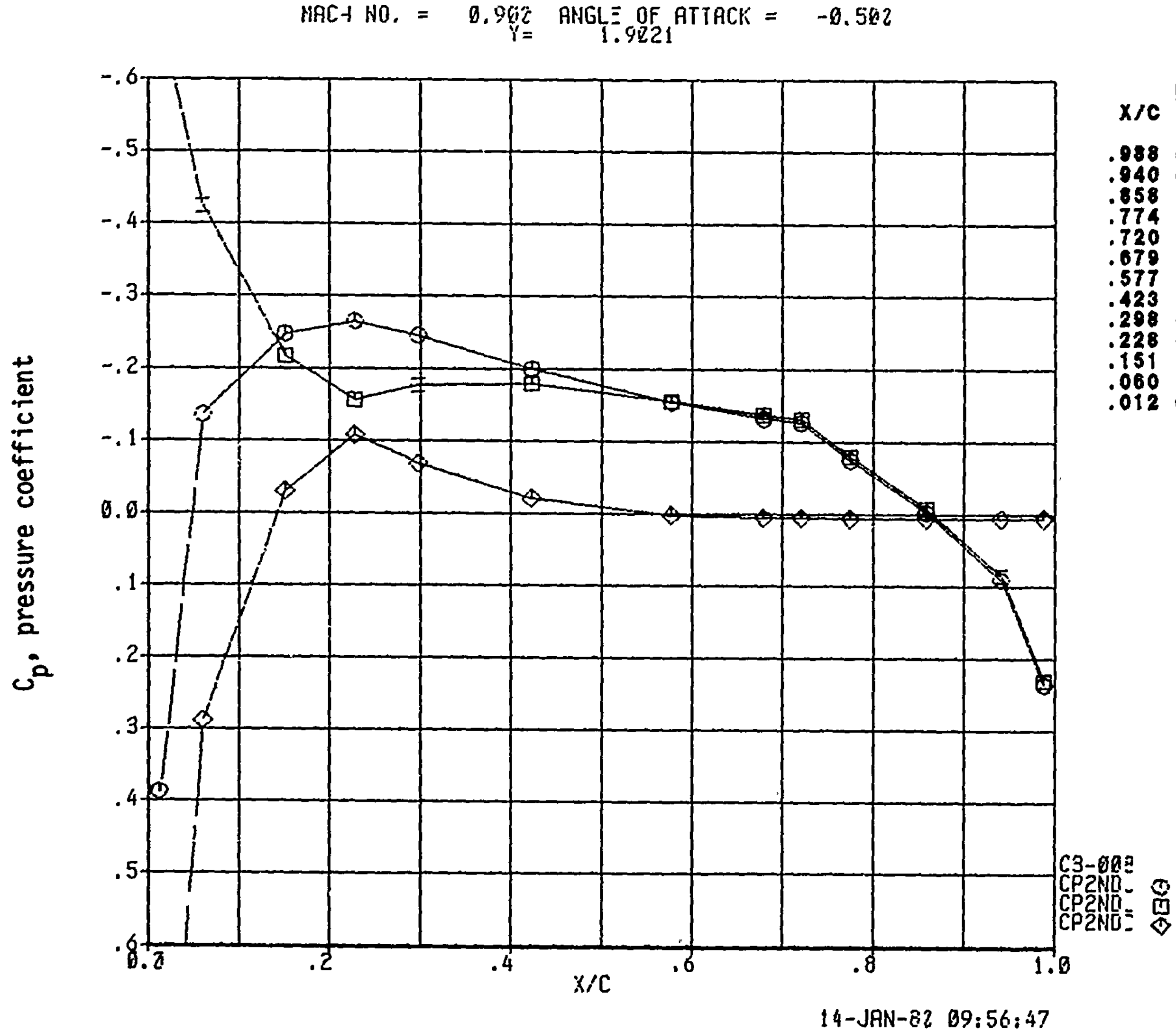
MACH NO. = 0.903 ANGLE OF ATTACK = 0.502
Y= 1.9221




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2300 | 0.2366 | -.0066 |
| .940 | 0.0840 | 0.0920 | -.0080 |
| .858 | -.0106 | -.0007 | -.0099 |
| .774 | -.0824 | -.0709 | -.0115 |
| .720 | -.1345 | -.1225 | -.0120 |
| .679 | -.1400 | -.1279 | -.0121 |
| .577 | -.1622 | -.1464 | -.0158 |
| .423 | -.2115 | -.1666 | -.0449 |
| .298 | -.2616 | -.1596 | -.1019 |
| .228 | -.2869 | -.1333 | -.1536 |
| .151 | -.2991 | -.1630 | -.1362 |
| .060 | -.2743 | -.2735 | -.0008 |
| .012 | 0.0790 | -.2751 | 0.3541 |

14-JAN-82 09:56:31

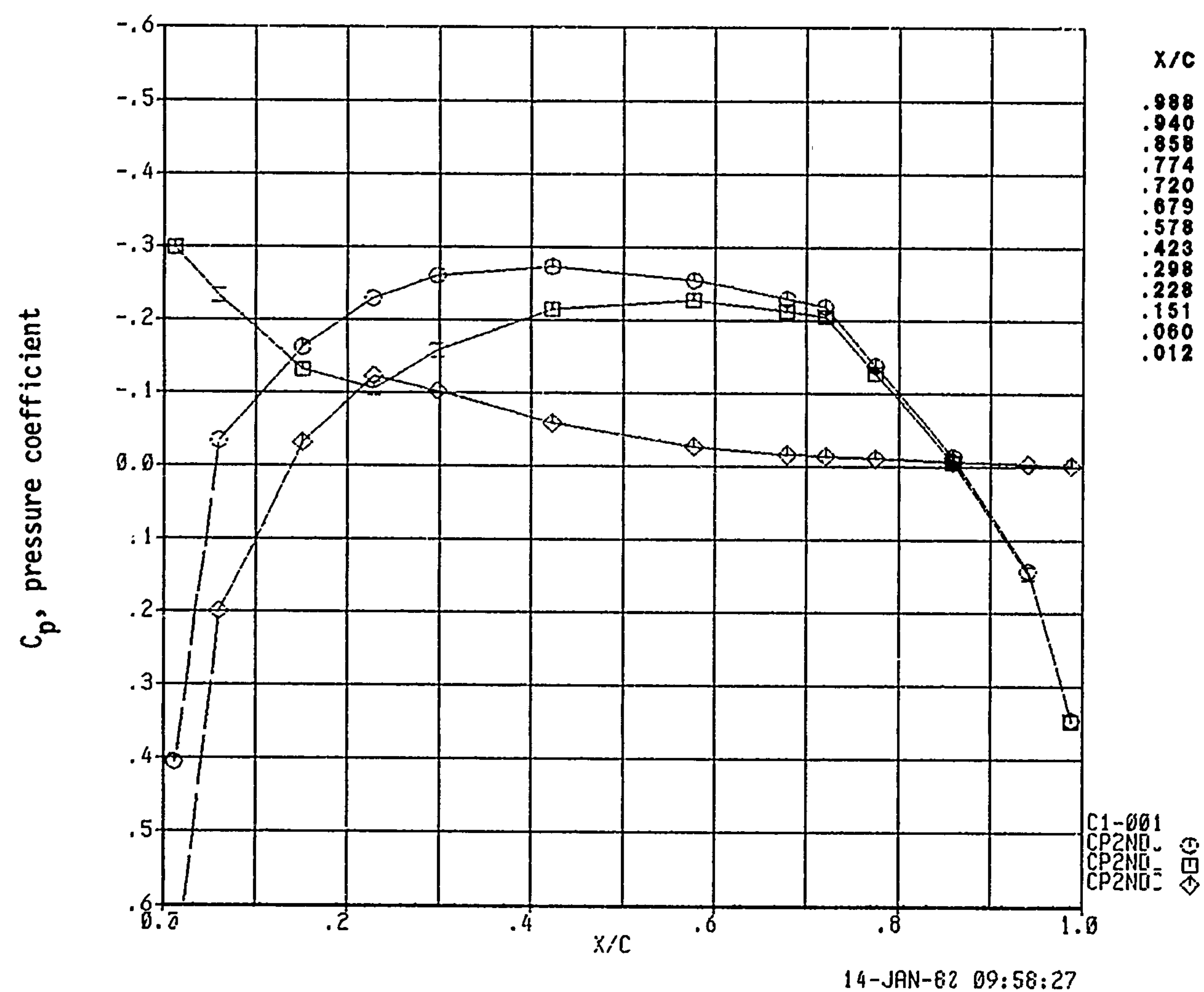
Figure 89, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.2360 | 0.2303 | 0.0057 |
| .940 | 0.0906 | 0.0850 | 0.0057 |
| .858 | -.0029 | -.0087 | 0.0057 |
| .774 | -.0742 | -.0796 | 0.0054 |
| .720 | -.1262 | -.1312 | 0.0050 |
| .679 | -.1317 | -.1367 | 0.0049 |
| .577 | -.1535 | -.1557 | 0.0022 |
| .423 | -.1999 | -.1788 | -.0211 |
| .298 | -.2452 | -.1767 | -.0686 |
| .228 | -.2647 | -.1566 | -.1081 |
| .151 | -.2476 | -.2174 | -.0302 |
| .060 | -.1366 | -.4243 | 0.2878 |
| .012 | 0.3866 | -.6809 | 1.0675 |

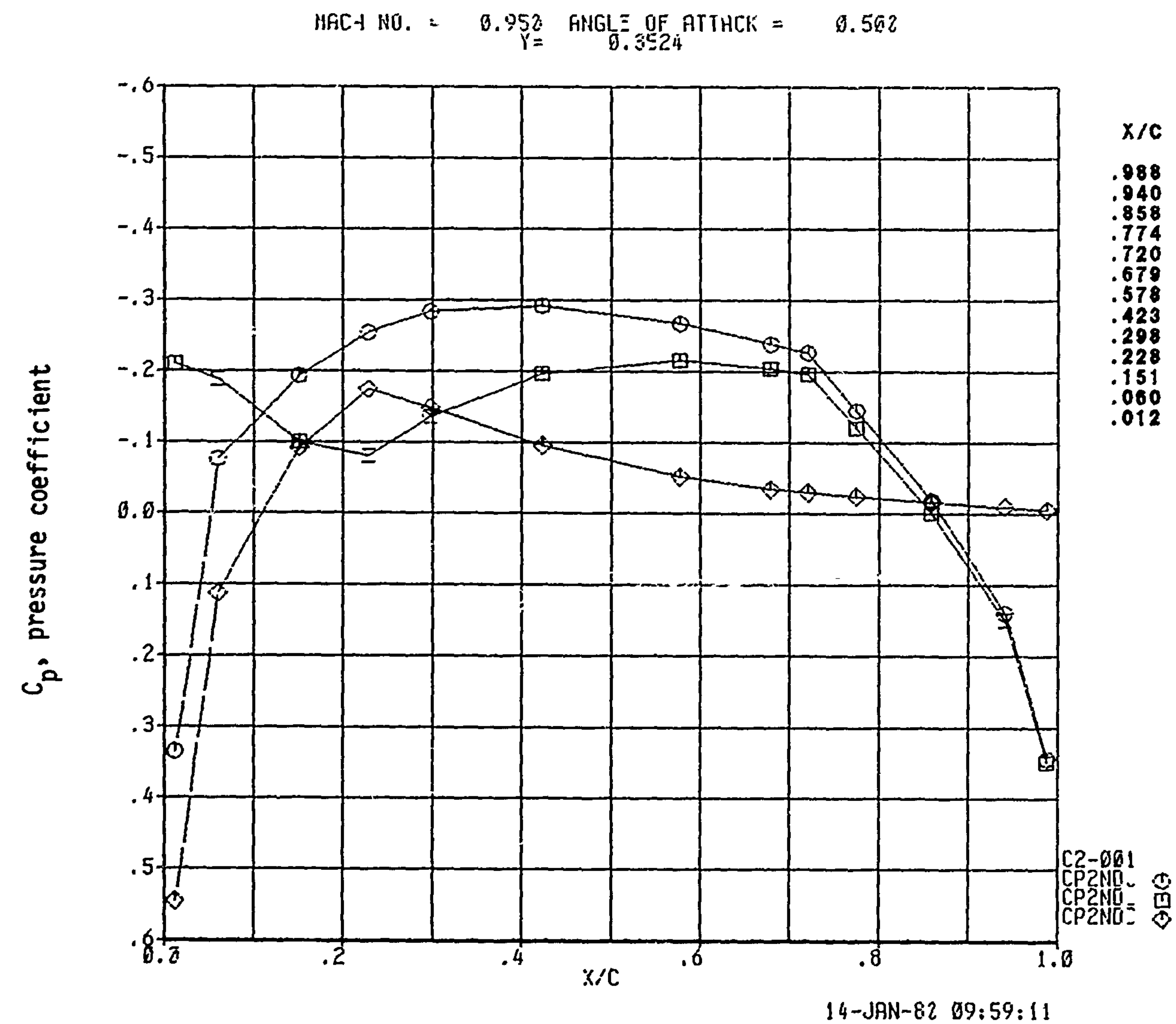
Figure 90, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.954 ANGLE OF ATTACK = 0.002
Y= 0.3524



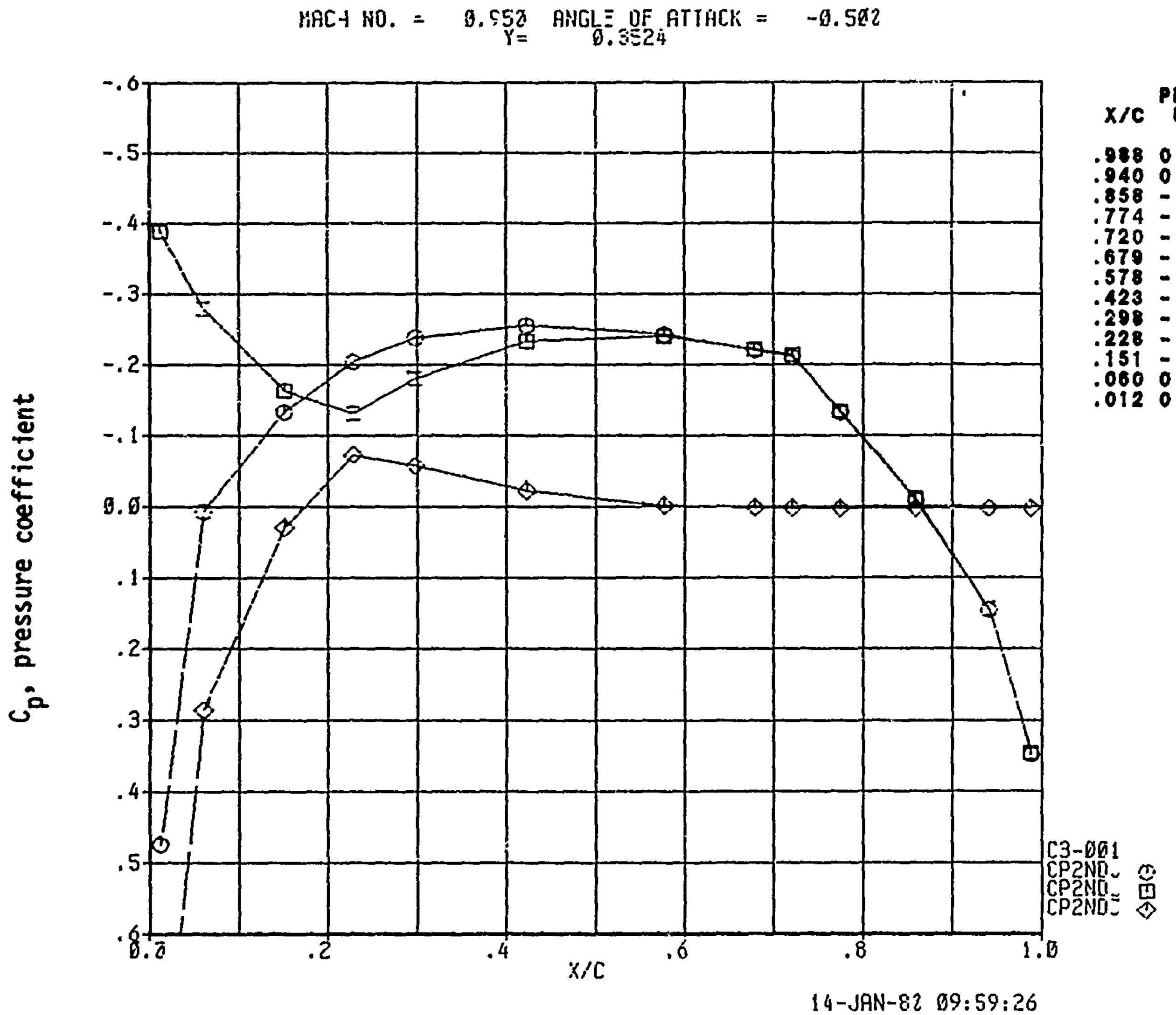

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3463 | 0.3478 | -.0016 |
| .940 | 0.1426 | 0.1462 | -.0037 |
| .858 | -.0131 | -.0060 | -.0072 |
| .774 | -.1382 | -.1271 | -.0111 |
| .720 | -.2188 | -.2049 | -.0140 |
| .679 | -.2293 | -.2128 | -.0164 |
| .578 | -.2547 | -.2280 | -.0266 |
| .423 | -.2733 | -.2145 | -.0588 |
| .298 | -.2606 | -.1580 | -.1026 |
| .228 | -.2291 | -.1058 | -.1233 |
| .151 | -.1627 | -.1316 | -.0311 |
| .060 | -.0340 | -.2333 | 0.1993 |
| .012 | 0.4053 | -.2987 | 0.7040 |

Figure 91, Chordwise Pressure Distribution, Steady, Configuration 1



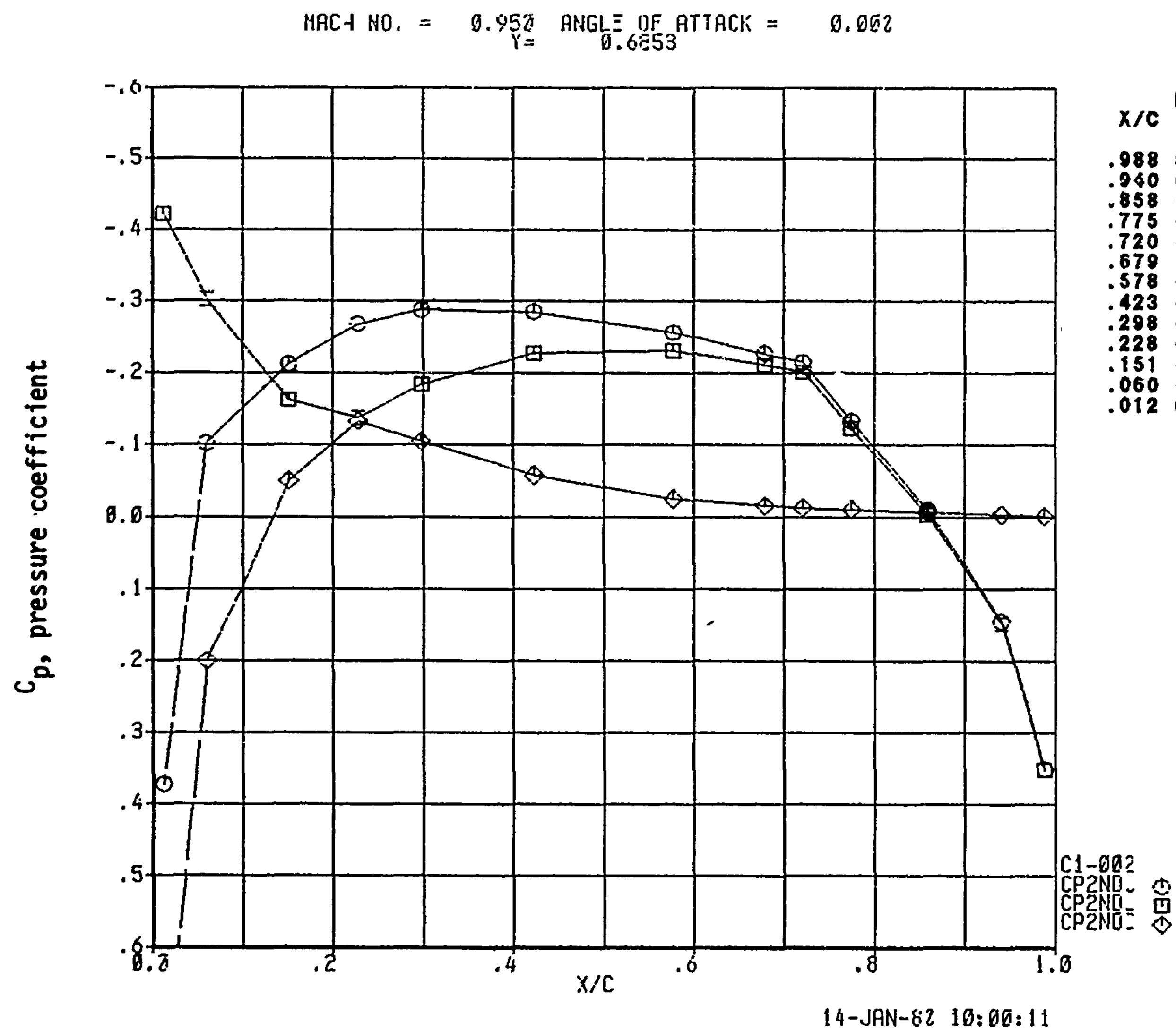

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3442 | 0.3497 | -.0055 |
| .940 | 0.1395 | 0.1493 | -.0098 |
| .858 | -.0181 | -.0012 | -.0169 |
| .774 | -.1450 | -.1205 | -.0245 |
| .720 | -.2269 | -.1970 | -.0299 |
| .679 | -.2384 | -.2038 | -.0345 |
| .578 | -.2673 | -.2155 | -.0517 |
| .423 | -.2917 | -.1964 | -.0954 |
| .298 | -.2835 | -.1352 | -.1483 |
| .228 | -.2545 | -.0804 | -.1740 |
| .151 | -.1928 | -.1007 | -.0921 |
| .060 | -.0756 | -.1884 | 0.1127 |
| .012 | 0.3348 | -.2108 | 0.5456 |

Figure 92, Chordwise Pressure Distribution, Steady, Configuration 1



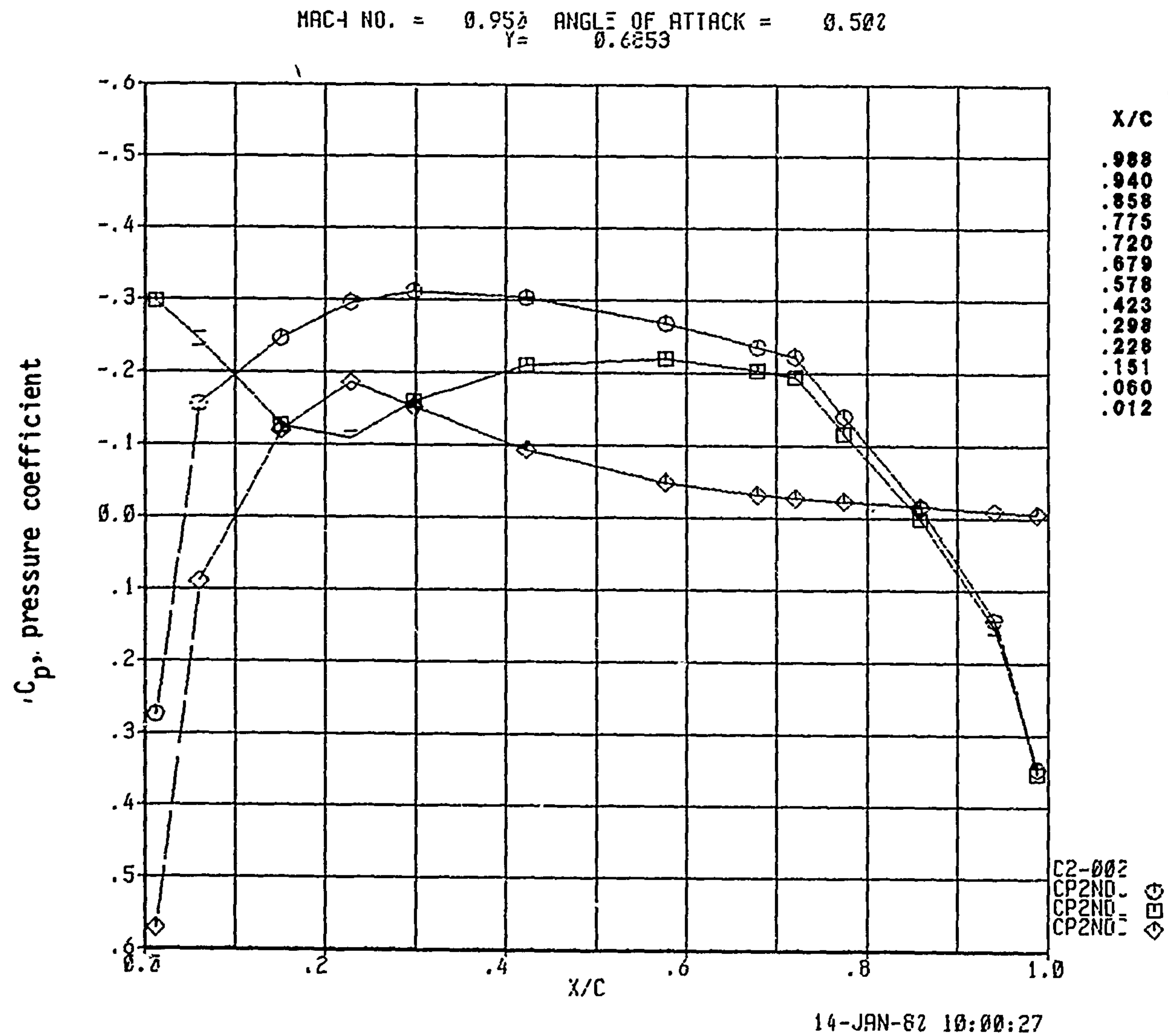

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3481 | 0.3457 | 0.0025 |
| .940 | 0.1456 | 0.1431 | 0.0025 |
| .858 | -.0084 | -.0109 | 0.0025 |
| .774 | -.1316 | -.1338 | 0.0023 |
| .720 | -.2110 | -.2129 | 0.0019 |
| .679 | -.2202 | -.2219 | 0.0017 |
| .578 | -.2421 | -.2406 | -.0015 |
| .423 | -.2551 | -.2329 | -.0222 |
| .298 | -.2378 | -.1809 | -.0569 |
| .228 | -.2040 | -.1315 | -.0725 |
| .151 | -.1328 | -.1627 | 0.0299 |
| .060 | 0.0072 | -.2787 | 0.2860 |
| .012 | 0.4739 | -.3884 | 0.8623 |

Figure 93, Chordwise Pressure Distribution, Steady, Configuration 1



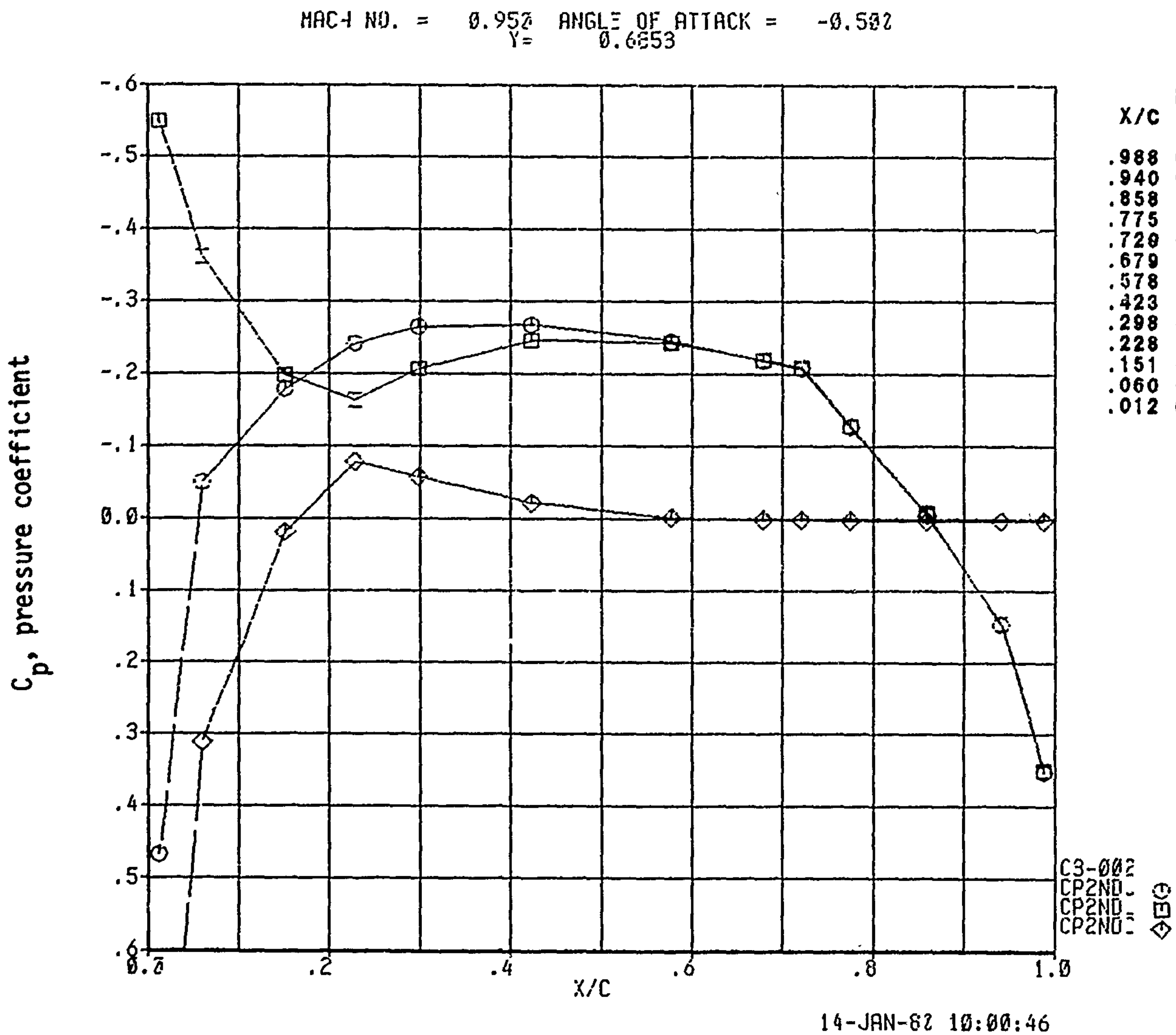

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3499 | 0.3515 | -.0016 |
| .940 | 0.1438 | 0.1474 | -.0036 |
| .858 | -.0100 | -.0031 | -.0069 |
| .775 | -.1330 | -.1225 | -.0105 |
| .720 | -.2146 | -.2014 | -.0133 |
| .679 | -.2267 | -.2111 | -.0156 |
| .578 | -.2560 | -.2308 | -.0252 |
| .423 | -.2852 | -.2277 | -.0575 |
| .298 | -.2880 | -.1834 | -.1047 |
| .228 | -.2684 | -.1362 | -.1322 |
| .151 | -.2121 | -.1619 | -.0502 |
| .060 | -.1020 | -.3022 | 0.2002 |
| .012 | 0.3717 | -.4215 | 0.7932 |

Figure 94 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3477 | 0.3534 | -.0057 |
| .940 | 0.1406 | 0.1504 | -.0098 |
| .858 | -.0148 | 0.0014 | -.0162 |
| .775 | -.1394 | -.1133 | -.0231 |
| .720 | -.2221 | -.1941 | -.0280 |
| .679 | -.2352 | -.2029 | -.0322 |
| .578 | -.2679 | -.2191 | -.0487 |
| .423 | -.3032 | -.2100 | -.0933 |
| .298 | -.3116 | -.1601 | -.1515 |
| .228 | -.2953 | -.1094 | -.1860 |
| .151 | -.2465 | -.1269 | -.1196 |
| .060 | -.1553 | -.2449 | 0.0895 |
| .012 | 0.2734 | -.2972 | 0.5706 |

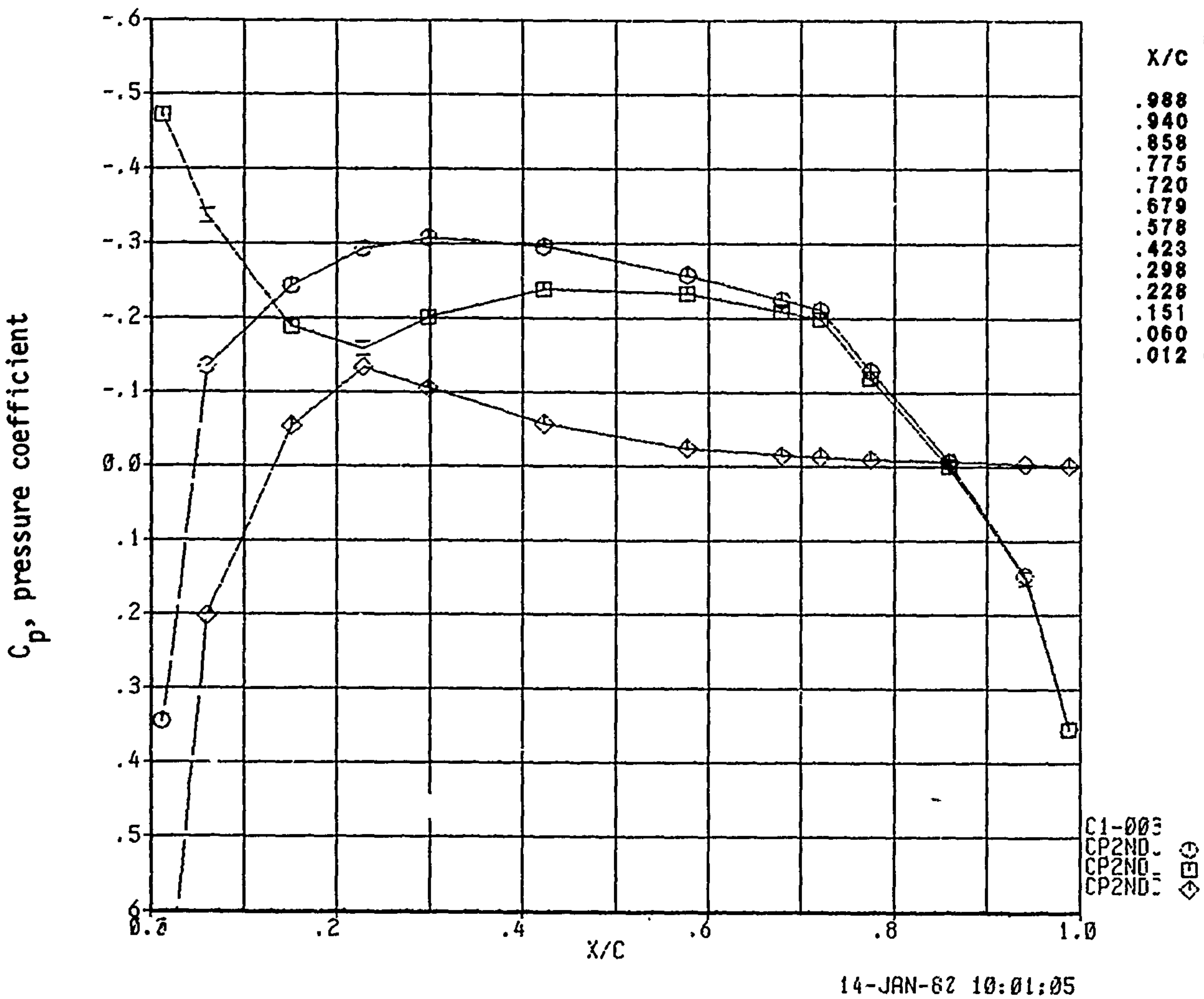
Figure 95 , Chordwise Pressure Distribution, Steady, Configuration 1.




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3519 | 0.3493 | 0.0026 |
| .940 | 0.1468 | 0.1442 | 0.0025 |
| .858 | -.0054 | -.0079 | 0.0024 |
| .775 | -.1268 | -.1289 | 0.0021 |
| .729 | -.2073 | -.2088 | 0.0015 |
| .679 | -.2184 | -.2196 | 0.0012 |
| .578 | -.2443 | -.2426 | -.0017 |
| .423 | -.2673 | -.2457 | -.0217 |
| .298 | -.2647 | -.2068 | -.0578 |
| .228 | -.2416 | -.1634 | -.0783 |
| .151 | -.1781 | -.1973 | 0.0191 |
| .060 | -.0495 | -.3604 | 0.3109 |
| .012 | 0.4665 | -.5493 | 1.0158 |

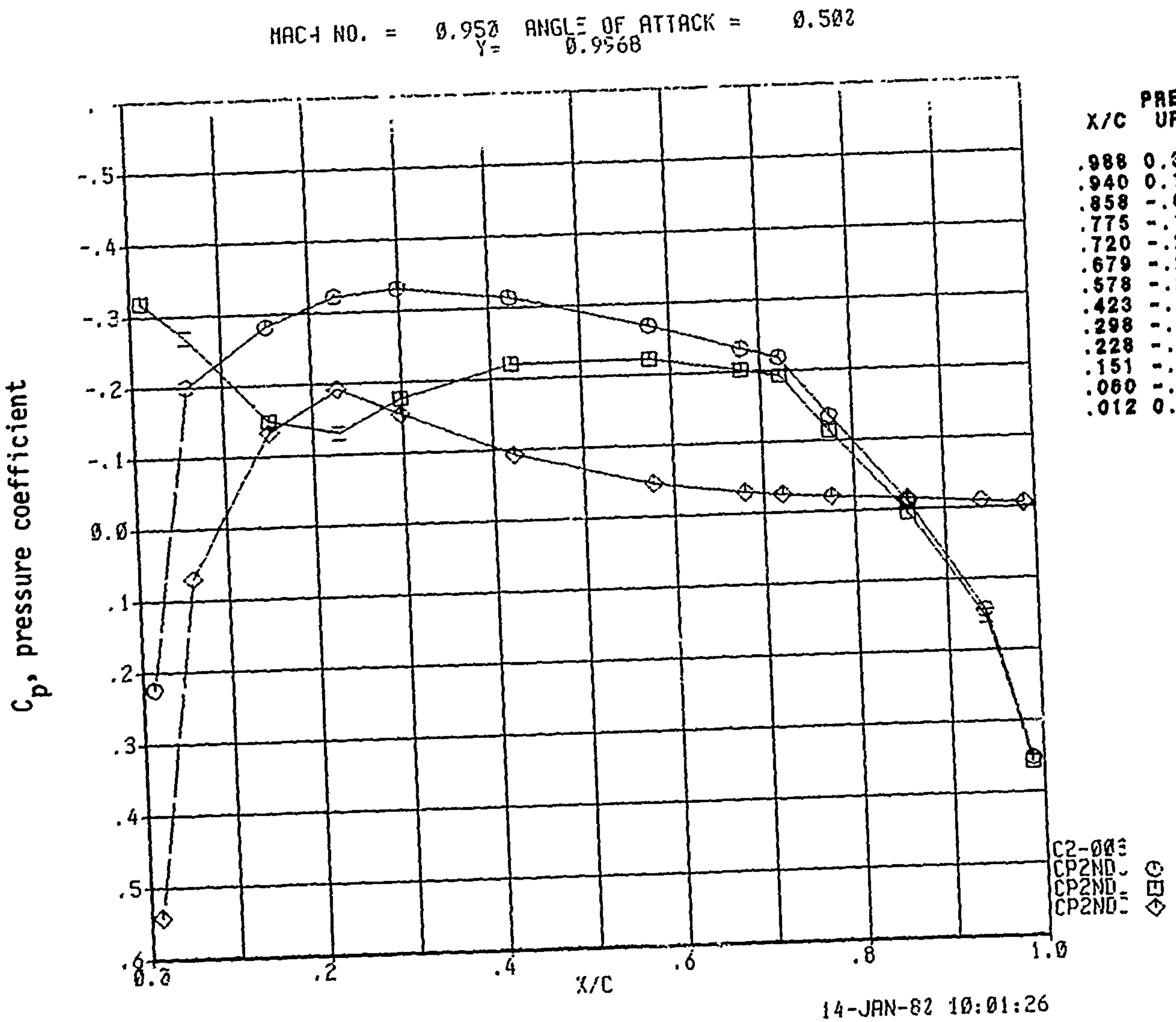
Figure 96, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.952 ANGLE OF ATTACK = 0.002
Y= 0.9568



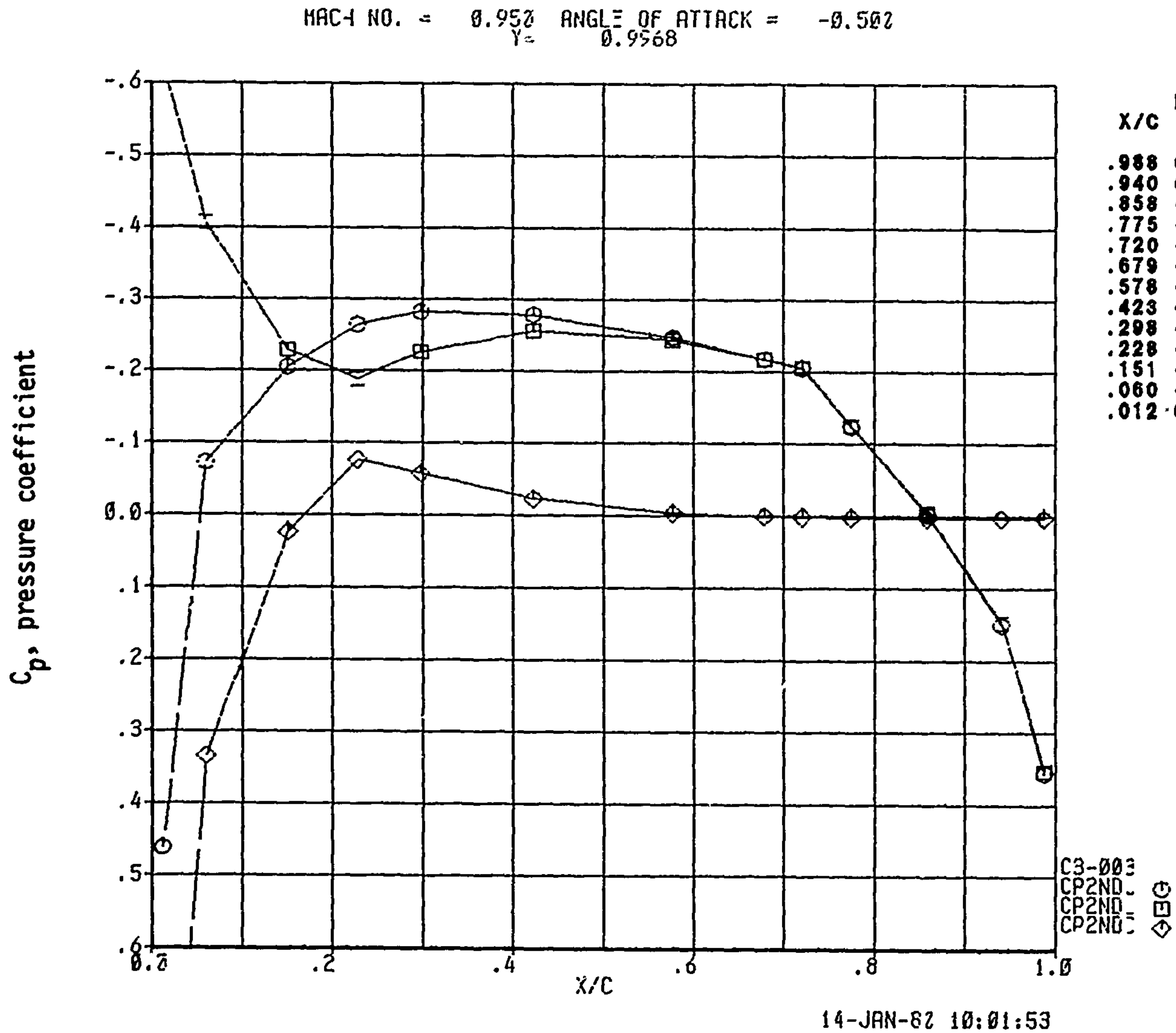

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3536 | 0.3552 | -.0015 |
| .940 | 0.1466 | 0.1501 | -.0034 |
| .858 | -.0069 | -.0005 | -.0064 |
| .775 | -.1293 | -.1195 | -.0098 |
| .720 | -.2113 | -.1990 | -.0125 |
| .679 | -.2245 | -.2097 | -.0148 |
| .578 | -.2577 | -.2330 | -.0247 |
| .423 | -.2960 | -.2383 | -.0576 |
| .298 | -.3069 | -.2012 | -.1057 |
| .228 | -.2929 | -.1591 | -.1338 |
| .151 | -.2433 | -.1888 | -.0545 |
| .060 | -.1351 | -.3371 | 0.2019 |
| .012 | 0.3446 | -.4716 | 0.8162 |

Figure 97, Chordwise Pressure Distribution, Steady, Configuration 1



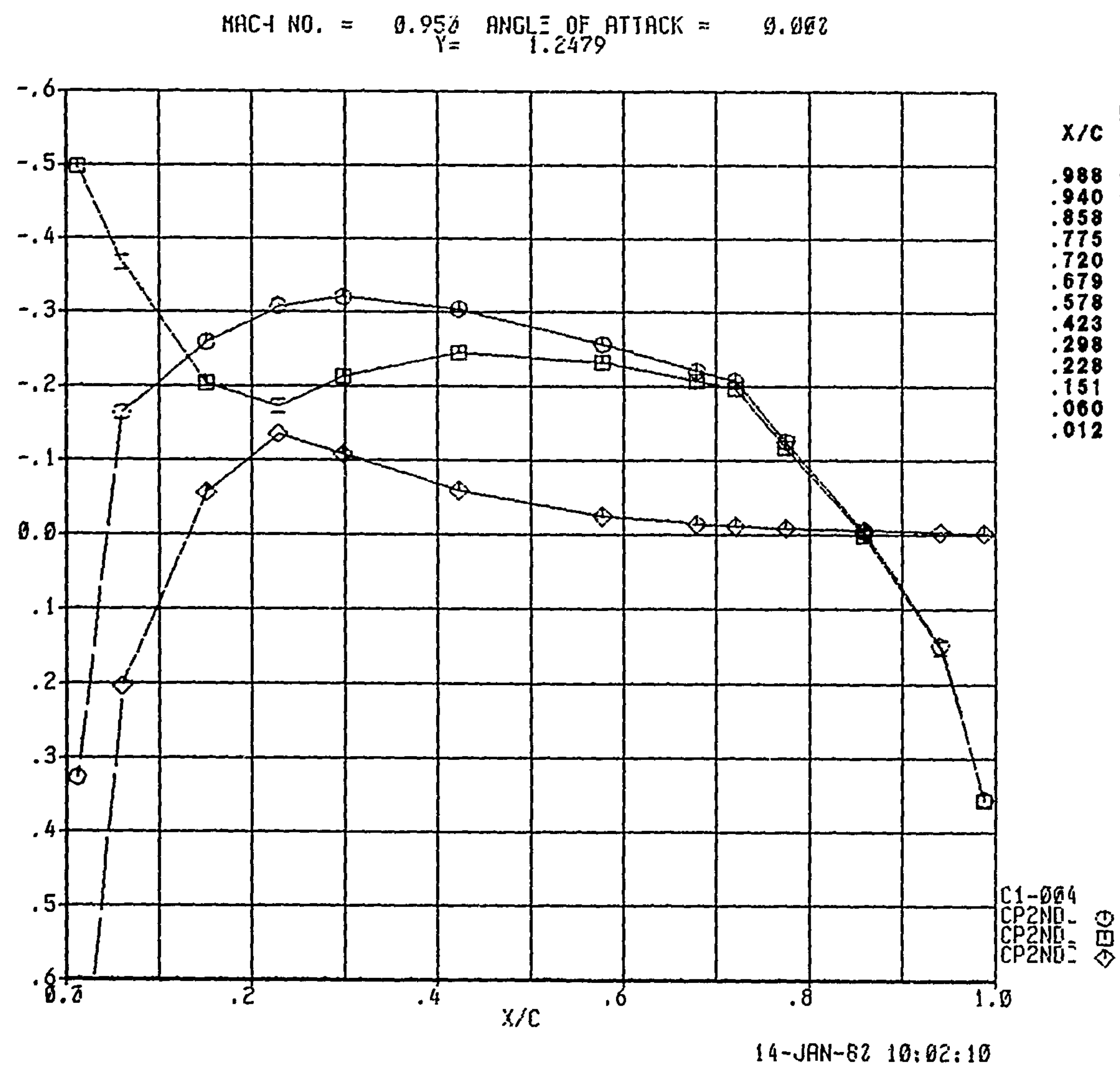

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3514 | 0.3571 | -.0058 |
| .940 | 0.1434 | 0.1530 | -.0096 |
| .858 | -.0114 | 0.0038 | -.0152 |
| .775 | -.1352 | -.1138 | -.0213 |
| .720 | -.2182 | -.1923 | -.0258 |
| .679 | -.2320 | -.2022 | -.0299 |
| .578 | -.2687 | -.2222 | -.0464 |
| .423 | -.3136 | -.2209 | -.0928 |
| .298 | -.3314 | -.1770 | -.1544 |
| .228 | -.3219 | -.1302 | -.1917 |
| .151 | -.2821 | -.1494 | -.1327 |
| .060 | -.1989 | -.2688 | 0.0698 |
| .012 | 0.2231 | -.3189 | 0.5419 |

Figure 98, Chordwise Pressure Distribution, Steady, Configuration 1



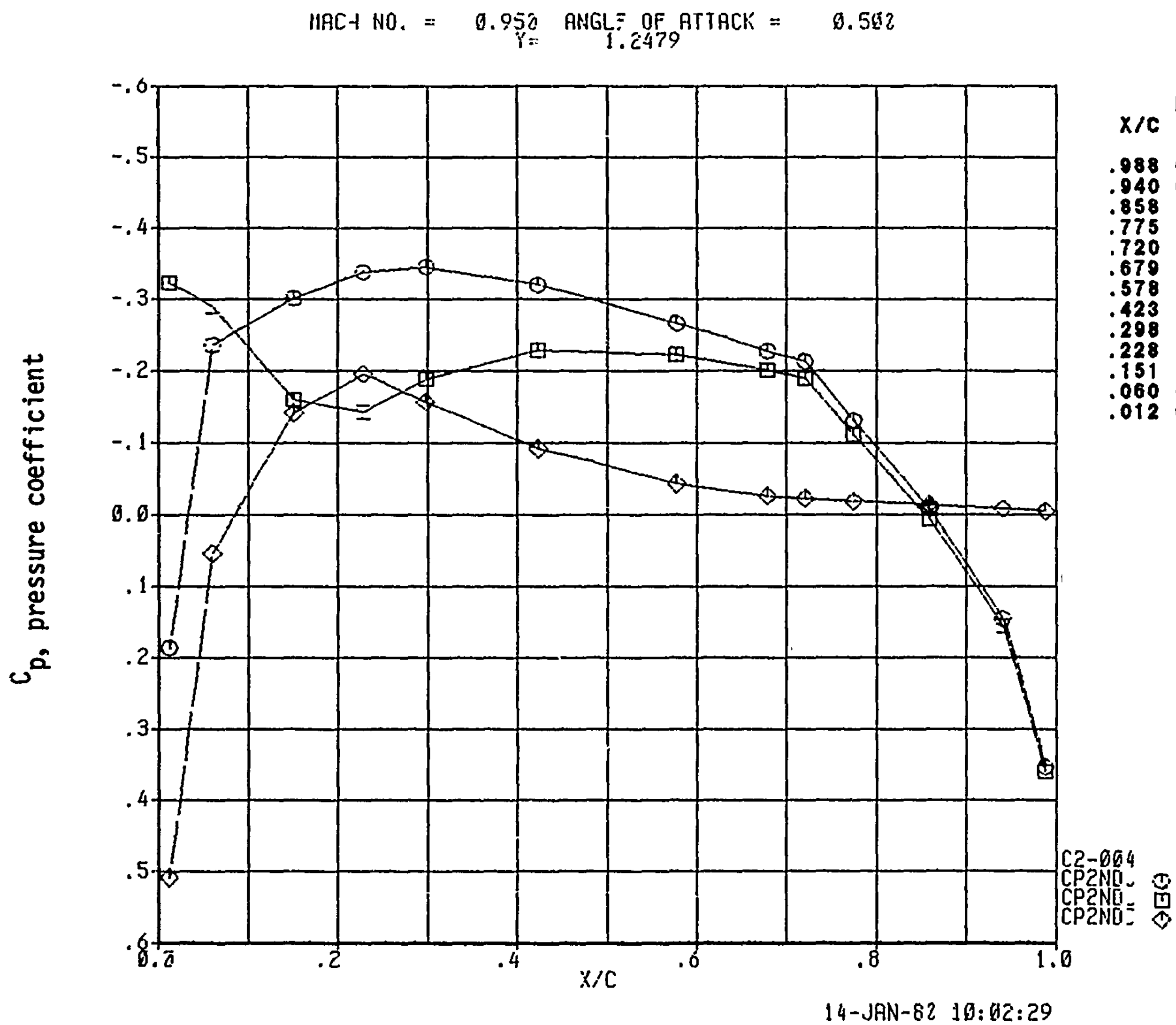

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3556 | 0.3530 | 0.0027 |
| .940 | 0.1495 | 0.1469 | 0.0026 |
| .858 | -.0026 | -.0050 | 0.0023 |
| .775 | -.1237 | -.1254 | 0.0018 |
| .720 | -.2048 | -.2057 | 0.0010 |
| .679 | -.2170 | -.2173 | 0.0004 |
| .578 | -.2469 | -.2439 | -.0030 |
| .423 | -.2784 | -.2559 | -.0225 |
| .298 | -.2825 | -.2256 | -.0570 |
| .228 | -.2641 | -.1882 | -.0759 |
| .151 | -.2049 | -.2287 | 0.0237 |
| .060 | -.0724 | -.4064 | 0.3340 |
| .012 | 0.4608 | -.6298 | 1.0906 |

Figure 99, Chordwise Pressure Distribution, Steady, Configuration 1



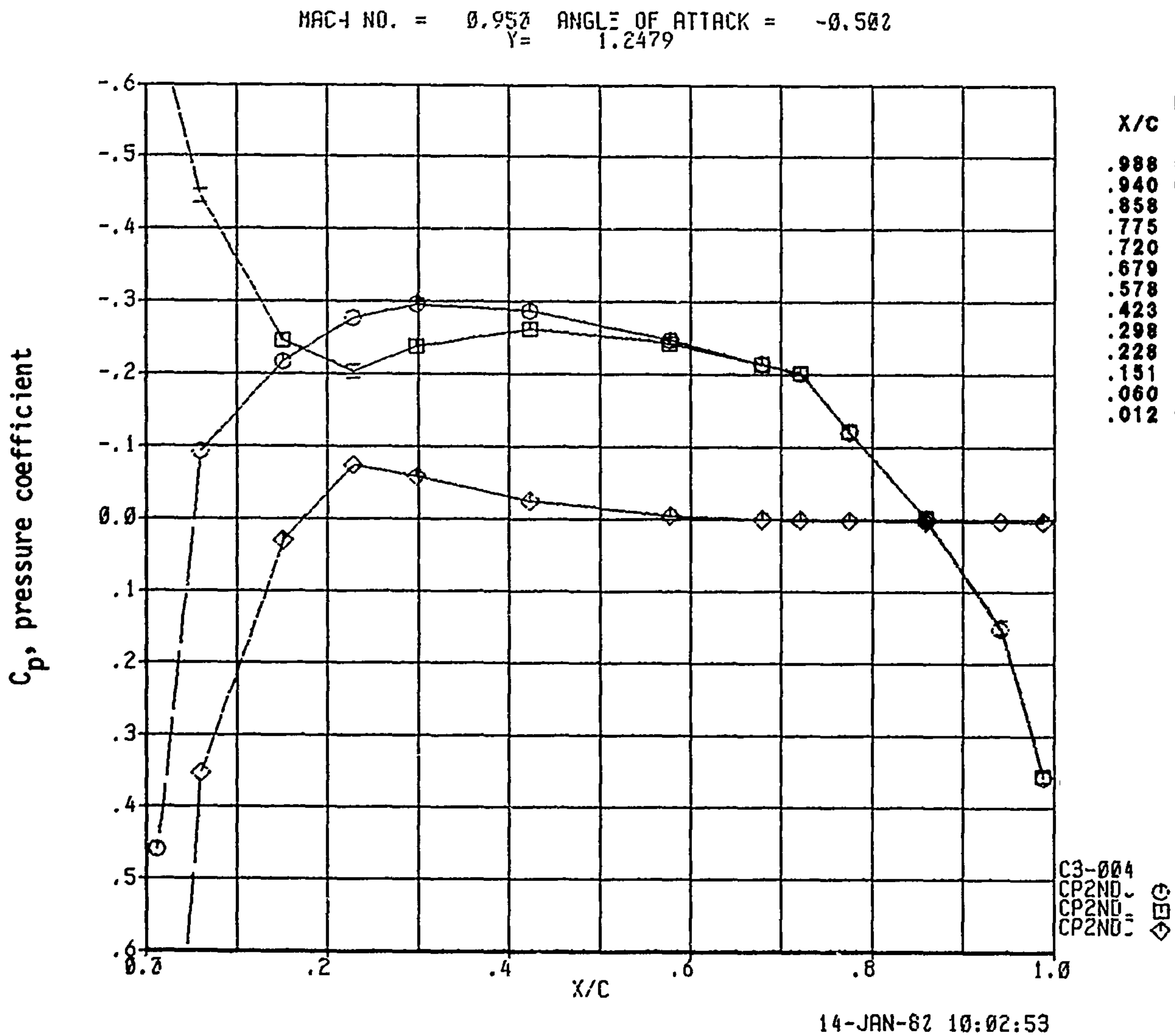

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3554 | 0.3568 | -.0014 |
| .940 | 0.1483 | 0.1515 | -.0032 |
| .858 | -.0042 | 0.0016 | -.0058 |
| .775 | -.1254 | -.1166 | -.0088 |
| .720 | -.2071 | -.1959 | -.0112 |
| .679 | -.2204 | -.2070 | -.0134 |
| .578 | -.2563 | -.2322 | -.0241 |
| .423 | -.3036 | -.2451 | -.0584 |
| .298 | -.3201 | -.2126 | -.1075 |
| .228 | -.3073 | -.1726 | -.1347 |
| .151 | -.2585 | -.2028 | -.0557 |
| .060 | -.1633 | -.3665 | 0.2033 |
| .012 | 0.3261 | -.4972 | 0.8233 |

Figure 100, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3532 | 0.3589 | -.0057 |
| .940 | 0.1452 | 0.1543 | -.0090 |
| .858 | -.0085 | 0.0056 | -.0140 |
| .775 | -.1307 | -.1114 | -.0193 |
| .720 | -.2131 | -.1900 | -.0231 |
| .679 | -.2271 | -.2004 | -.0266 |
| .578 | -.2661 | -.2227 | -.0434 |
| .423 | -.3204 | -.2285 | -.0919 |
| .298 | -.3449 | -.1881 | -.1568 |
| .228 | -.3379 | -.1422 | -.1956 |
| .151 | -.3009 | -.1599 | -.1411 |
| .060 | -.2355 | -.2896 | 0.0541 |
| .012 | 0.1861 | -.3225 | 0.5085 |

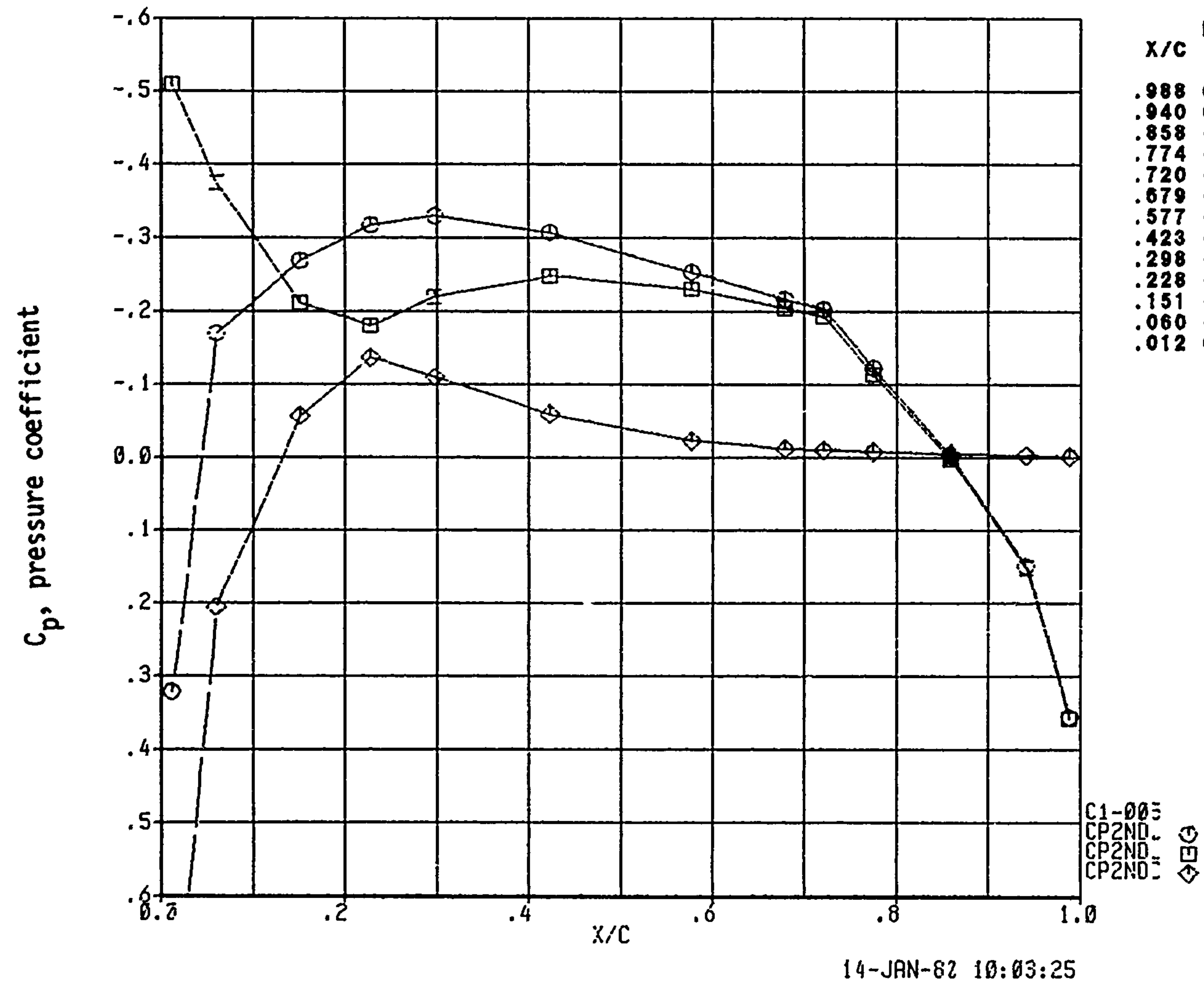
Figure 101, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3574 | 0.3545 | 0.0029 |
| .940 | 0.1511 | 0.1484 | 0.0027 |
| .858 | -.0003 | -.0026 | 0.0024 |
| .775 | -.1202 | -.1219 | 0.0016 |
| .720 | -.2012 | -.2020 | 0.0007 |
| .679 | -.2139 | -.2136 | -.0002 |
| .578 | -.2468 | -.2420 | -.0048 |
| .423 | -.2869 | -.2619 | -.0250 |
| .298 | -.2954 | -.2373 | -.0582 |
| .228 | -.2769 | -.2032 | -.0737 |
| .151 | -.2166 | -.2462 | 0.0296 |
| .060 | -.0925 | -.4449 | 0.3524 |
| .012 | 0.4591 | -.6790 | 1.1381 |

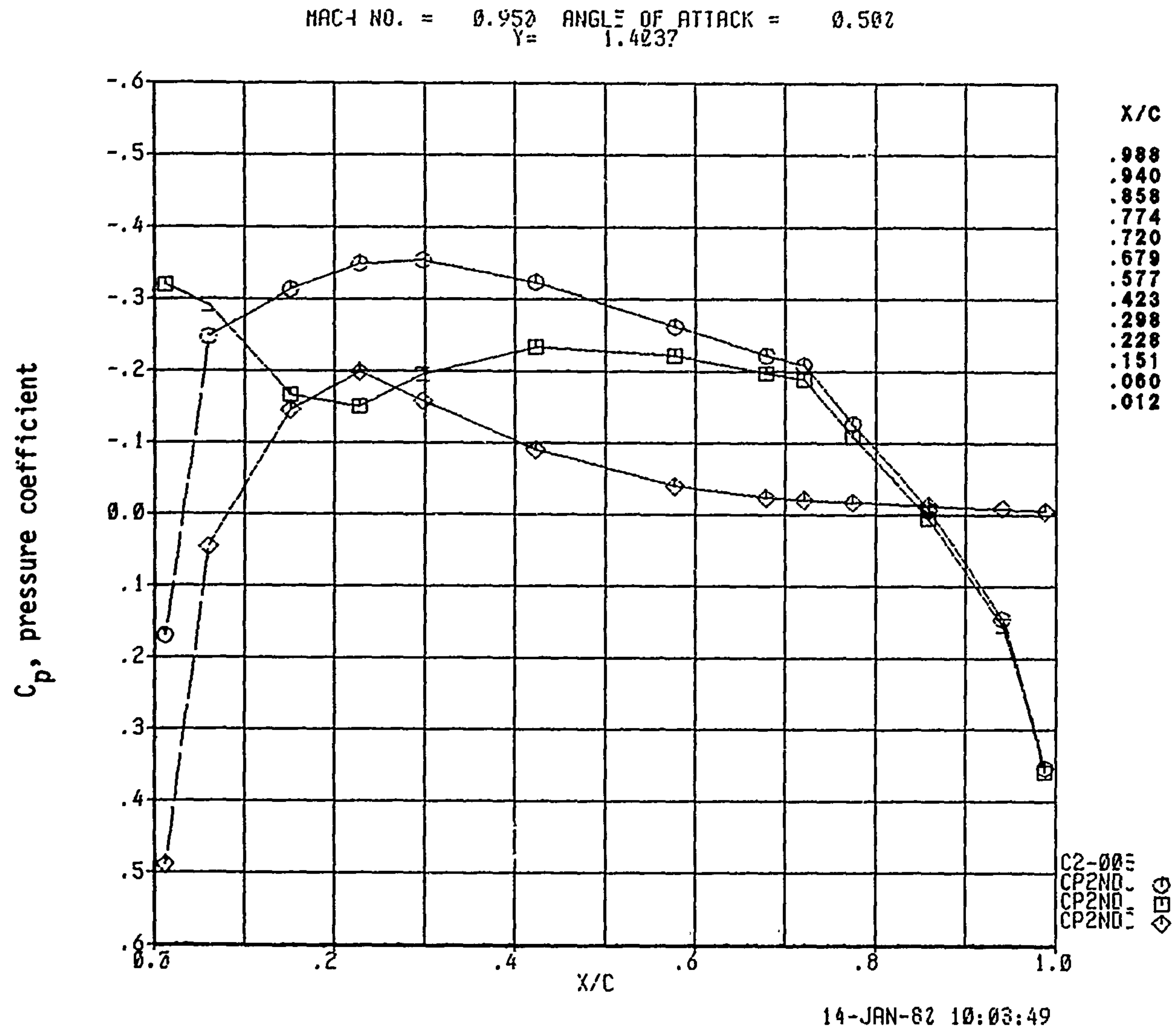
Figure 102, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.952 ANGLE OF ATTACK = 0.002
Y= 1.4237



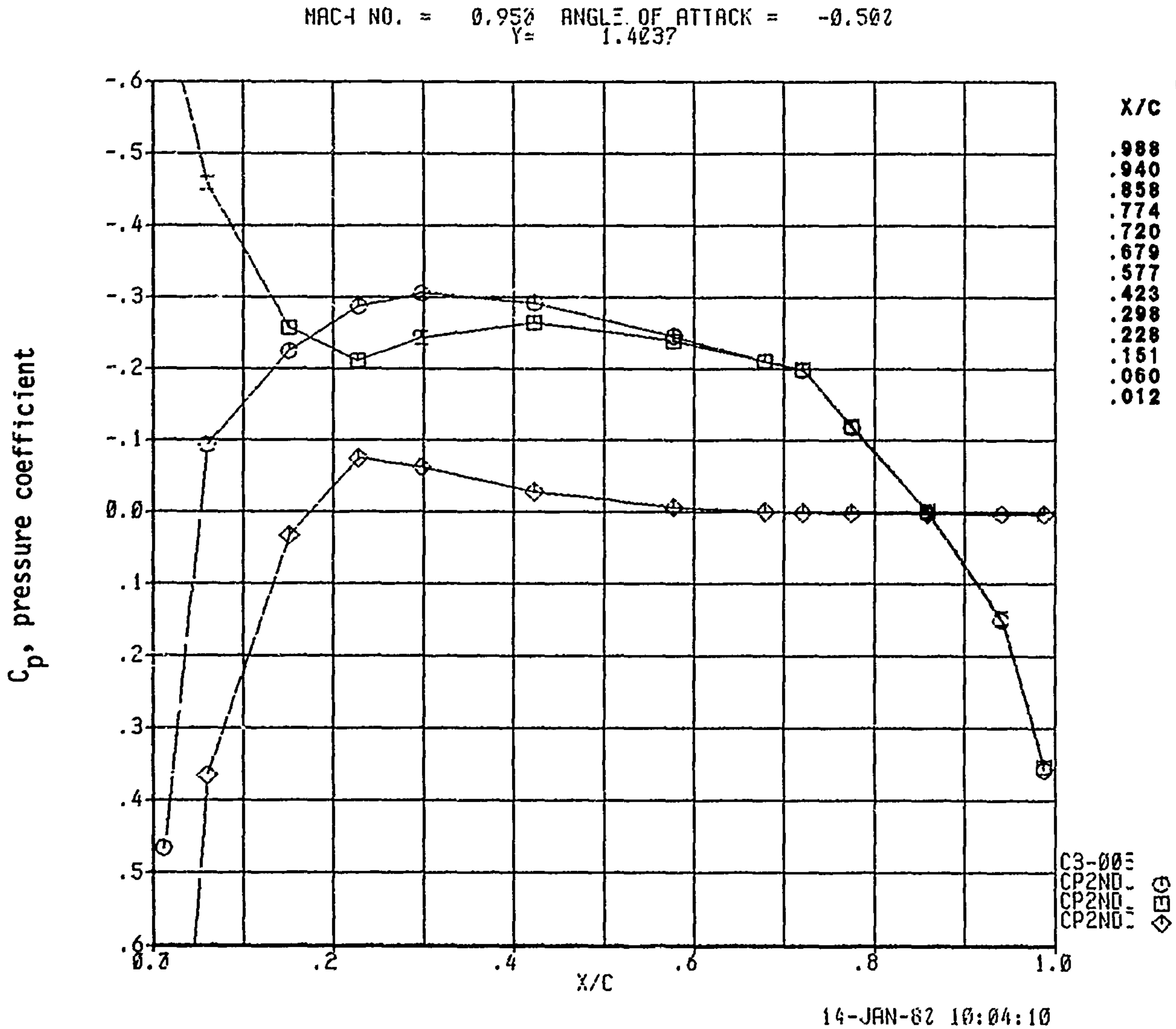

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3553 | 0.3566 | -.0013 |
| .940 | 0.1485 | 0.1514 | -.0029 |
| .858 | -.0027 | 0.0026 | -.0053 |
| .774 | -.1220 | -.1141 | -.0079 |
| .720 | -.2029 | -.1931 | -.0099 |
| .679 | -.2158 | -.2039 | -.0119 |
| .577 | -.2531 | -.2302 | -.0229 |
| .423 | -.3073 | -.2482 | -.0591 |
| .298 | -.3293 | -.2194 | -.1099 |
| .228 | -.3174 | -.1807 | -.1366 |
| .151 | -.2685 | -.2118 | -.0566 |
| .060 | -.1691 | -.3742 | 0.2051 |
| .012 | 0.3214 | -.5087 | 0.8302 |

Figure 103, Chordwise Pressure Distribution, Steady, Configuration 1



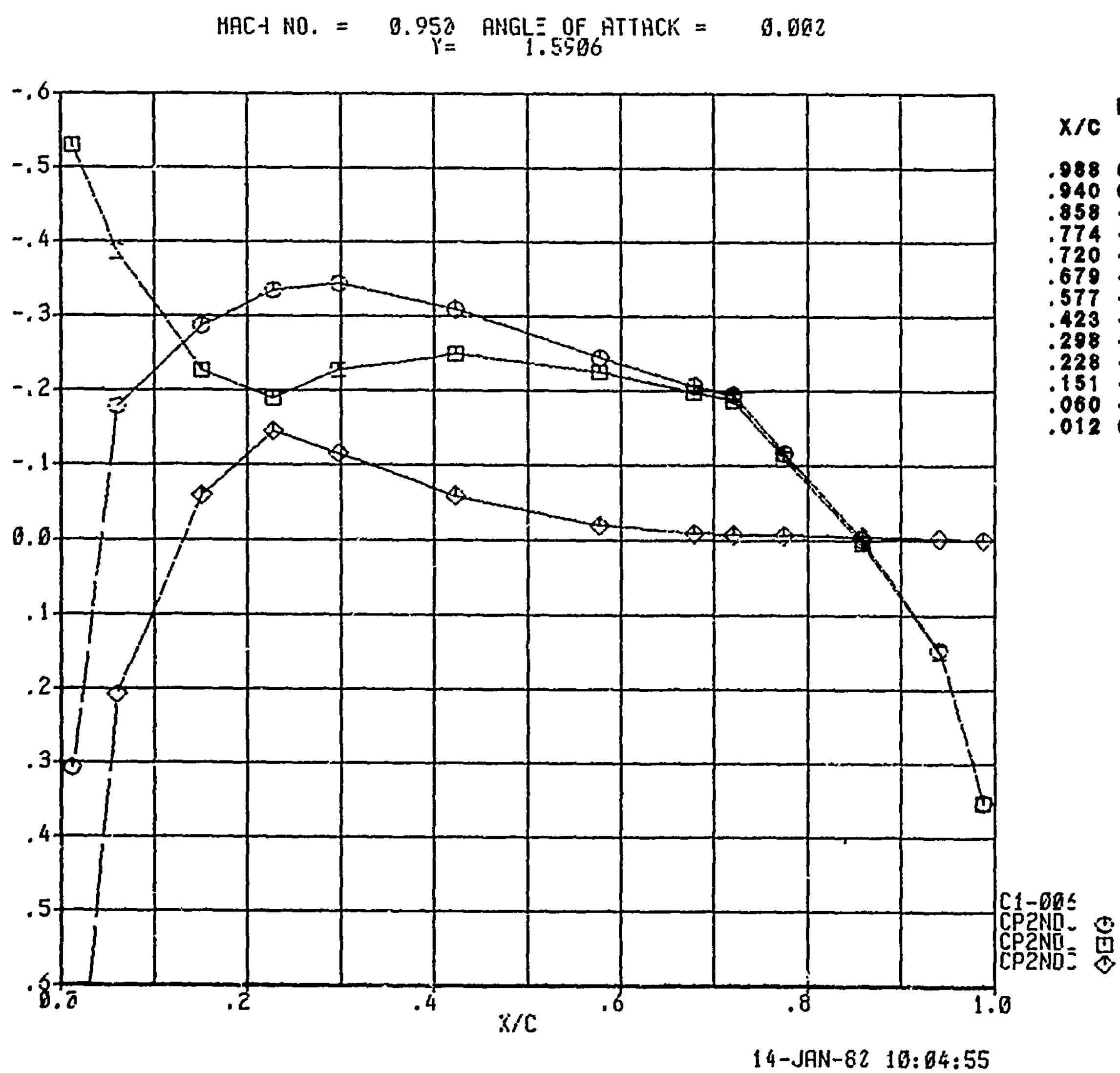

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3529 | 0.3586 | -.0057 |
| .940 | 0.1454 | 0.1541 | -.0087 |
| .858 | -.0067 | 0.0063 | -.0131 |
| .774 | -.1270 | -.1094 | -.0176 |
| .720 | -.2084 | -.1877 | -.0207 |
| .679 | -.2218 | -.1981 | -.0237 |
| .577 | -.2617 | -.2217 | -.0400 |
| .423 | -.3230 | -.2327 | -.0903 |
| .298 | -.3537 | -.1956 | -.1581 |
| .228 | -.3484 | -.1500 | -.1984 |
| .151 | -.3130 | -.1669 | -.1461 |
| .060 | -.2469 | -.2916 | 0.0447 |
| .012 | 0.1691 | -.3195 | 0.4885 |

Figure 104, Chordwise Pressure Distribution, Steady, Configuration 1



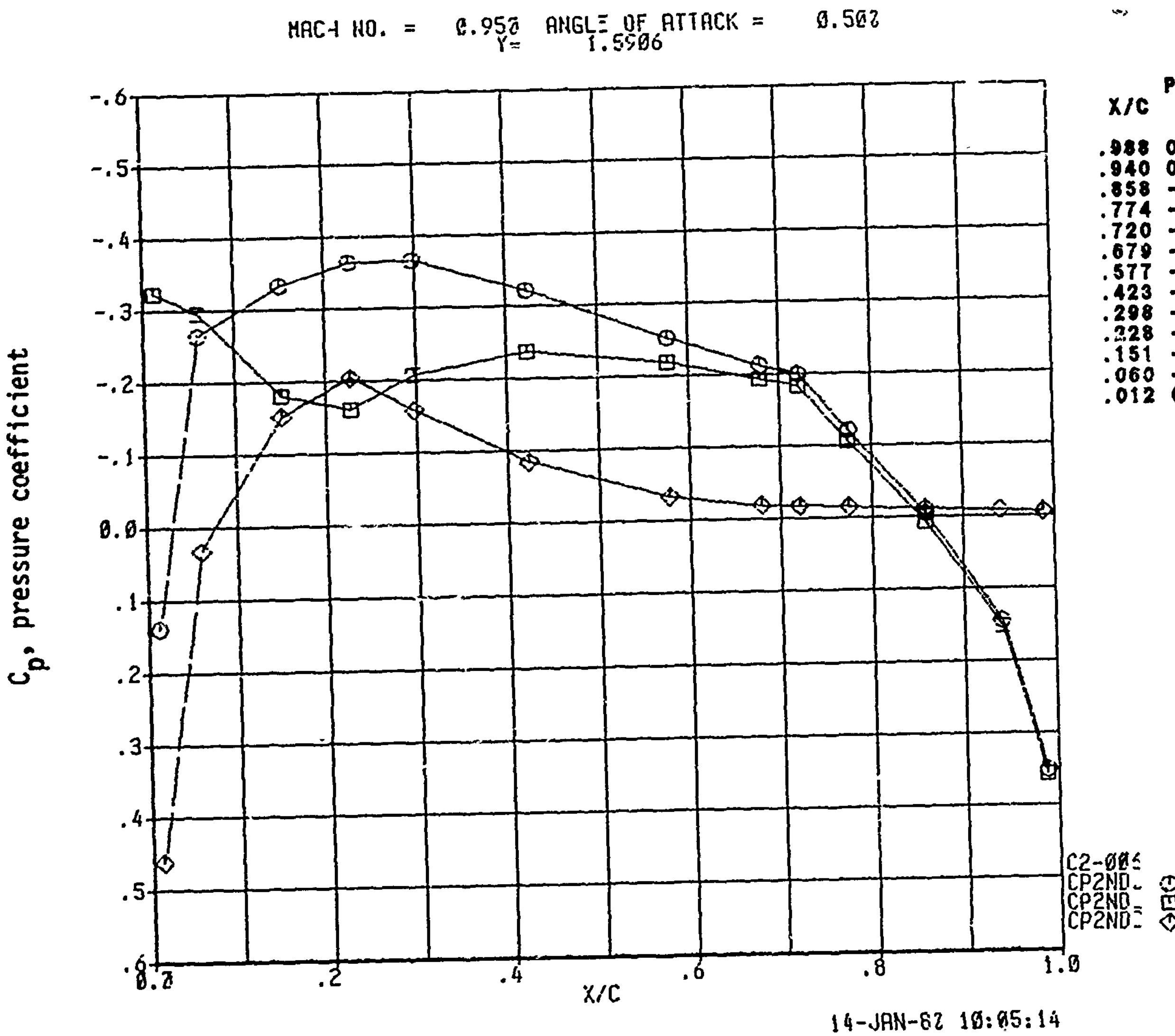

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3574 | 0.3542 | 0.0031 |
| .940 | 0.1512 | 0.1483 | 0.0028 |
| .858 | 0.0010 | -.0014 | 0.0025 |
| .774 | -.1173 | -.1191 | 0.0018 |
| .720 | -.1977 | -.1986 | 0.0009 |
| .679 | -.2100 | -.2099 | -.0001 |
| .577 | -.2447 | -.2388 | -.0059 |
| .423 | -.2918 | -.2639 | -.0280 |
| .298 | -.3053 | -.2436 | -.0617 |
| .228 | -.2867 | -.2117 | -.0749 |
| .151 | -.2245 | -.2573 | 0.0329 |
| .060 | -.0930 | -.4584 | 0.3654 |
| .012 | 0.4656 | -.7061 | 1.1717 |

Figure 105, Chordwise Pressure Distribution, Steady, Configuration 1



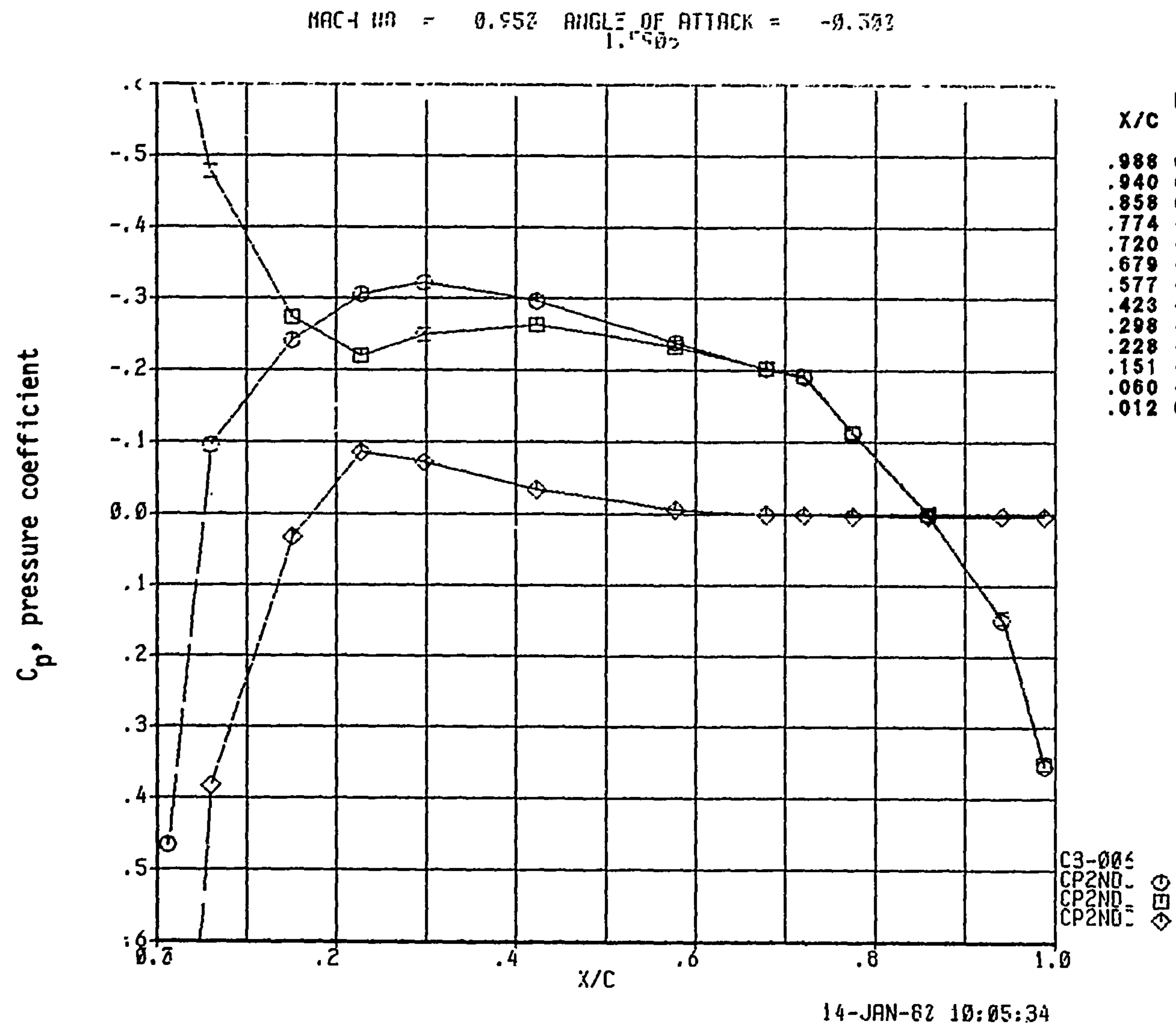

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3529 | 0.3540 | -.0011 |
| .940 | 0.1467 | 0.1492 | -.0025 |
| .858 | -.0012 | 0.0032 | -.0044 |
| .774 | -.1161 | -.1096 | -.0064 |
| .720 | -.1945 | -.1868 | -.0078 |
| .679 | -.2063 | -.1973 | -.0090 |
| .577 | -.2446 | -.2254 | -.0192 |
| .423 | -.3087 | -.2495 | -.0591 |
| .298 | -.3431 | -.2280 | -.1151 |
| .228 | -.3345 | -.1895 | -.1450 |
| .151 | -.2862 | -.2266 | -.0596 |
| .060 | -.1785 | -.3858 | 0.2073 |
| .012 | 0.3072 | -.5297 | 0.8370 |

Figure 106, Chordwise Pressure Distribution, Steady, Configuration 1



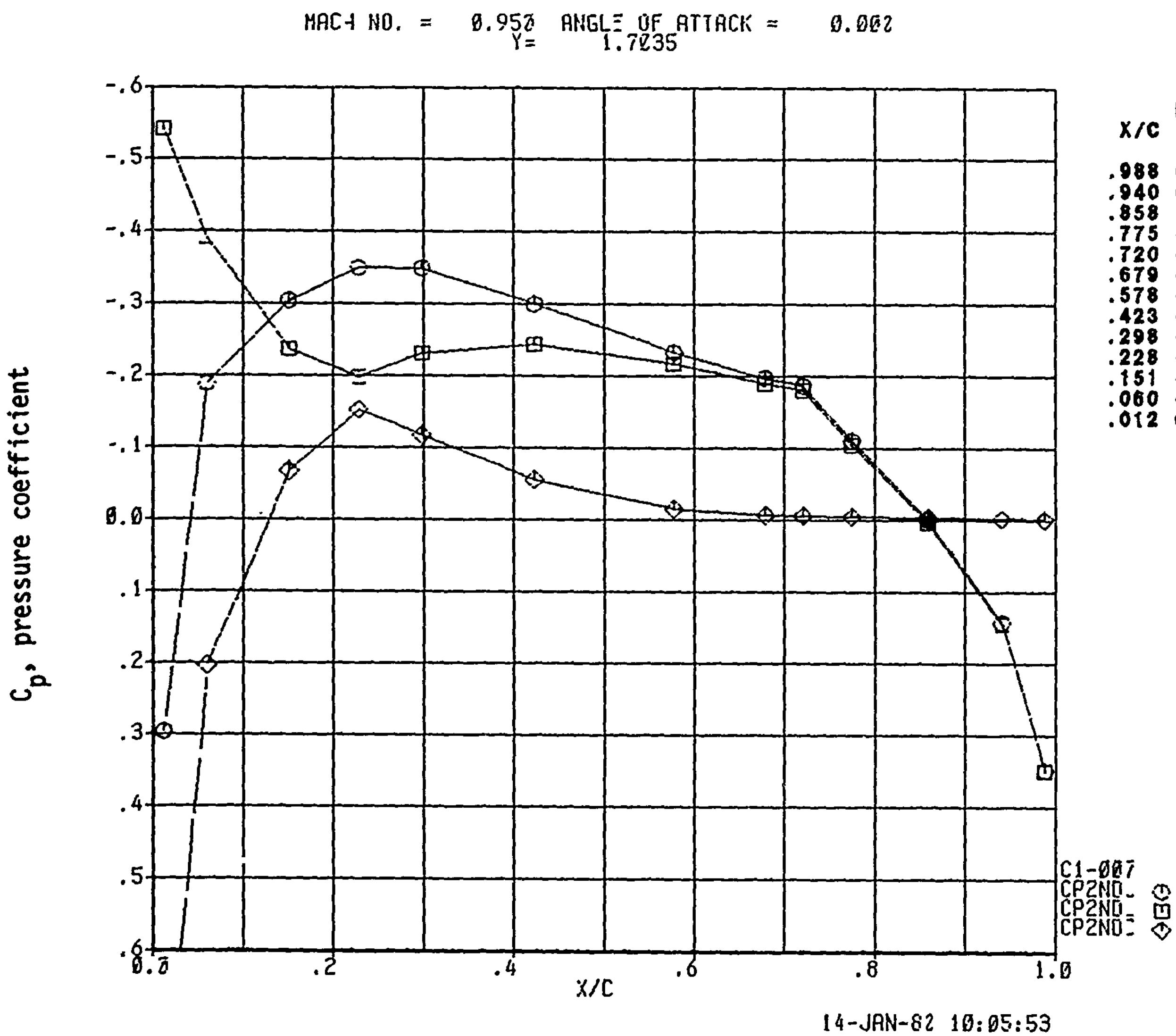

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3504 | 0.3561 | -.0057 |
| .940 | 0.1437 | 0.1518 | -.0081 |
| .858 | -.0050 | 0.0067 | -.0116 |
| .774 | -.1205 | -.1054 | -.0152 |
| .720 | -.1994 | -.1822 | -.0172 |
| .679 | -.2114 | -.1925 | -.0189 |
| .577 | -.2515 | -.2187 | -.0327 |
| .423 | -.3217 | -.2368 | -.0849 |
| .298 | -.3649 | -.2069 | -.1579 |
| .228 | -.3642 | -.1604 | -.2038 |
| .151 | -.3324 | -.1801 | -.1522 |
| .060 | -.2636 | -.2957 | 0.0321 |
| .012 | 0.1393 | -.3224 | 0.4618 |

Figure 107, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3550 | 0.3515 | 0.0035 |
| .940 | 0.1493 | 0.1462 | 0.0031 |
| .858 | 0.0022 | -.0006 | 0.0028 |
| .774 | -.1119 | -.1141 | 0.0023 |
| .720 | -.1900 | -.1917 | 0.0017 |
| .679 | -.2015 | -.2024 | 0.0010 |
| .577 | -.2379 | -.2323 | -.0056 |
| .423 | -.2959 | -.2625 | -.0334 |
| .298 | -.3218 | -.2495 | -.0722 |
| .228 | -.3053 | -.2191 | -.0861 |
| .151 | -.2407 | -.2737 | 0.0330 |
| .060 | -.0953 | -.4778 | 0.3825 |
| .012 | 0.4654 | -.7468 | 1.2122 |

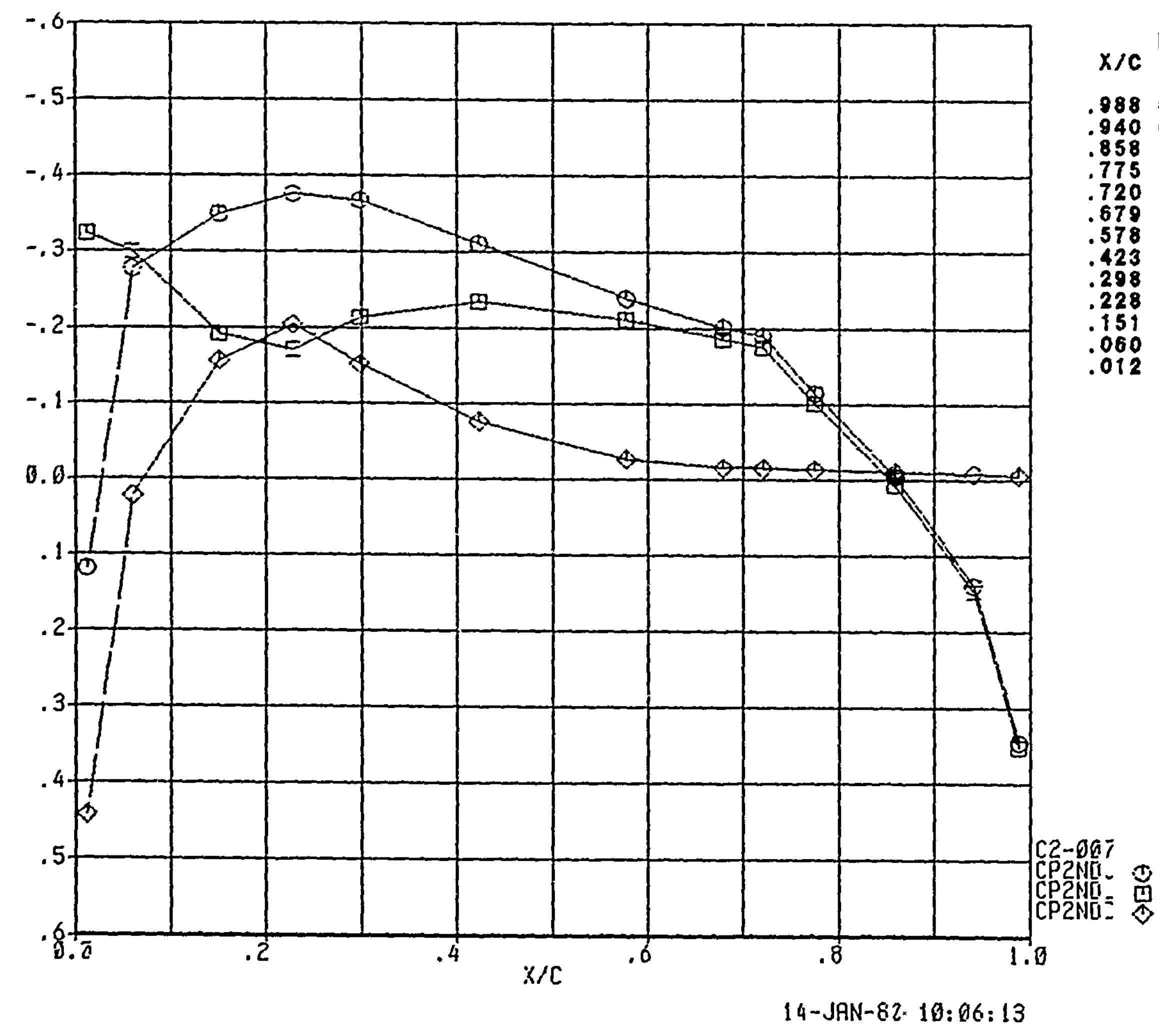
Figure 108, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3479 | 0.3489 | -.0009 |
| .940 | 0.1426 | 0.1447 | -.0022 |
| .858 | -.0006 | 0.0030 | -.0037 |
| .775 | -.1103 | -.1050 | -.0053 |
| .720 | -.1864 | -.1802 | -.0062 |
| .679 | -.1968 | -.1900 | -.0069 |
| .578 | -.2327 | -.2173 | -.0154 |
| .423 | -.2996 | -.2441 | -.0556 |
| .298 | -.3485 | -.2315 | -.1170 |
| .228 | -.3492 | -.1974 | -.1518 |
| .151 | -.3033 | -.2364 | -.0669 |
| .060 | -.1885 | -.3914 | 0.2030 |
| .012 | 0.2957 | -.5408 | 0.8365 |

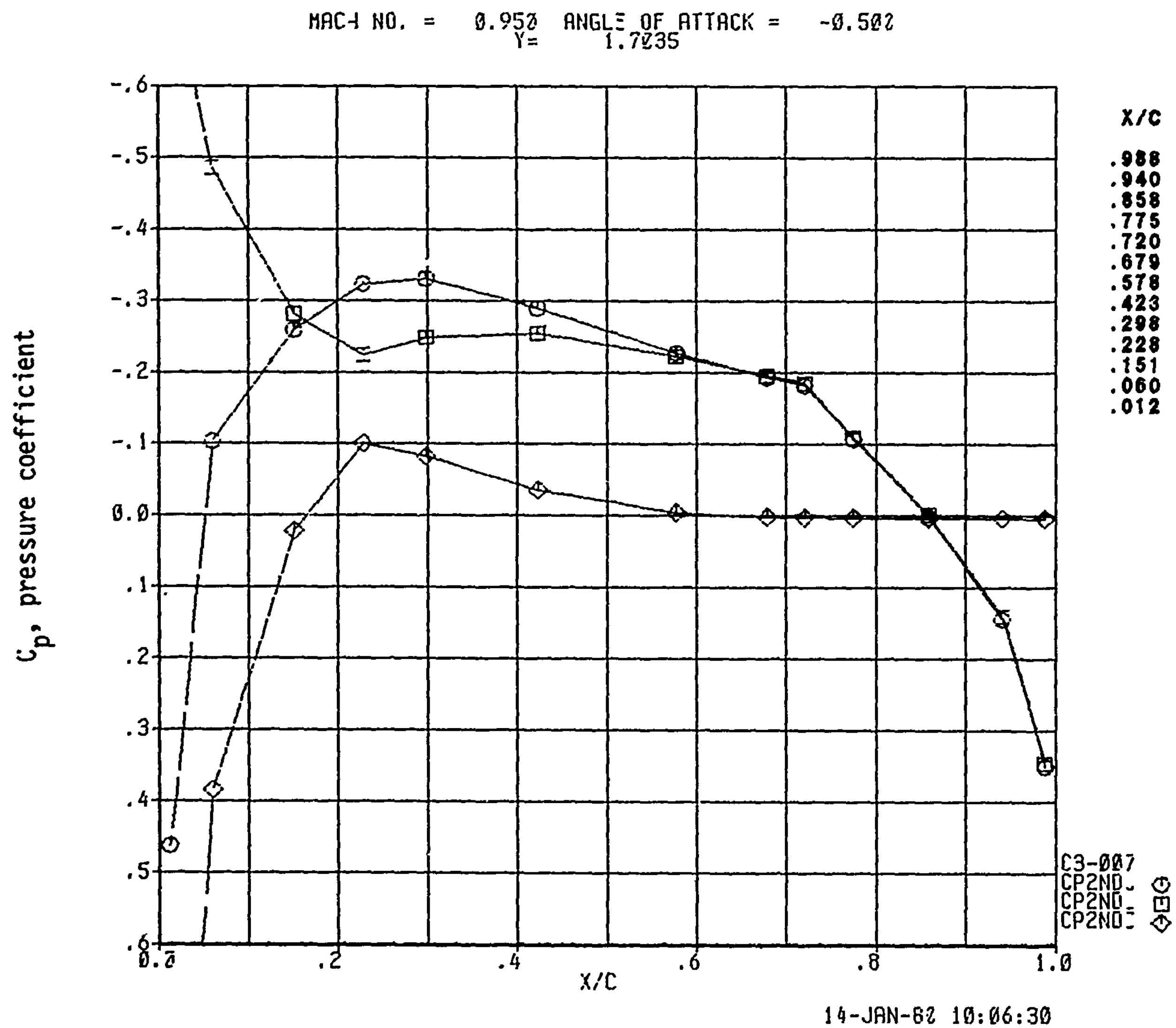
Figure 109, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 0.950 ANGLE OF ATTACK = 0.502
Y= 1.7235



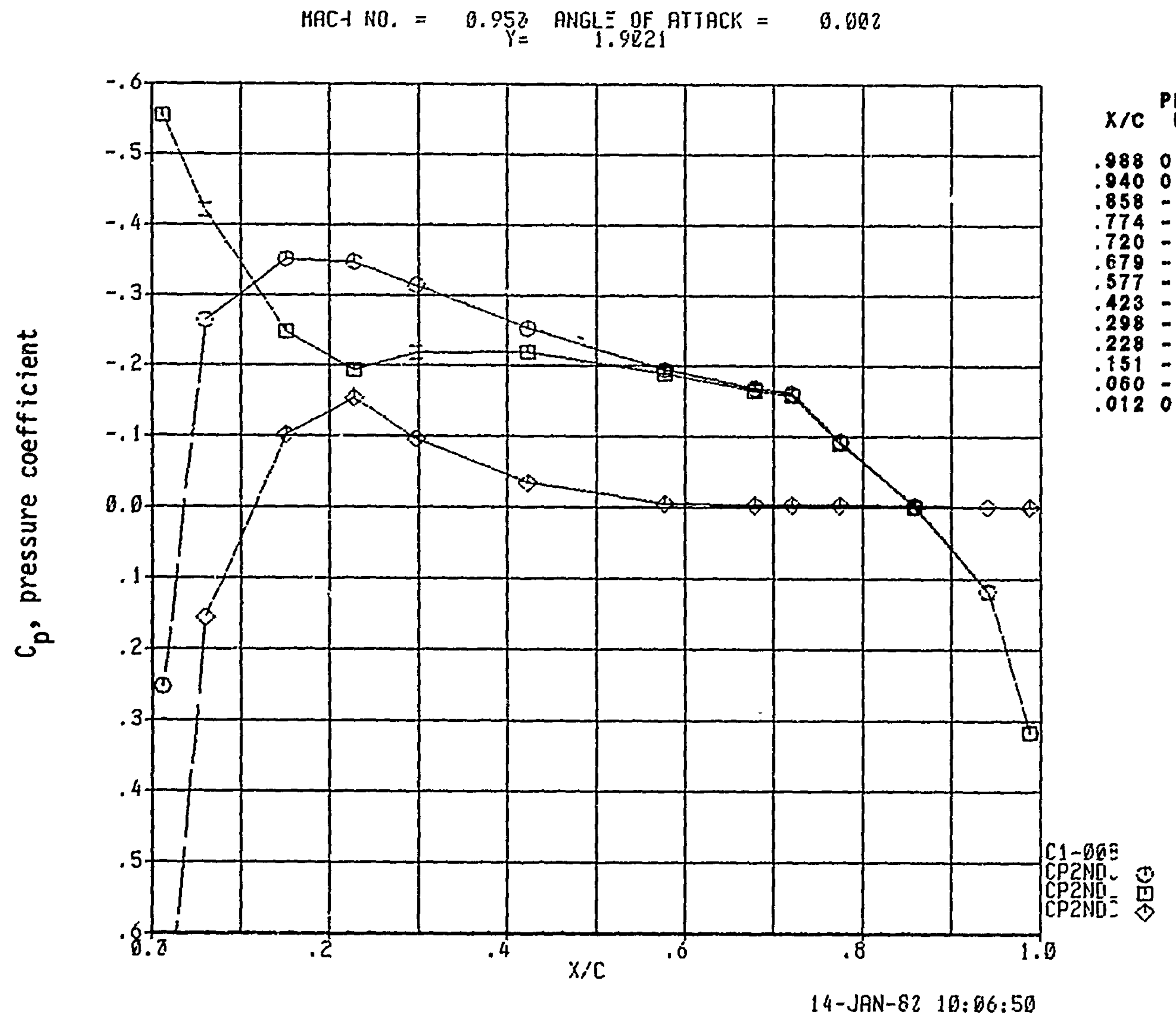

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3452 | 0.3511 | -.0059 |
| .940 | 0.1395 | 0.1473 | -.0079 |
| .858 | -.0044 | 0.0064 | -.0107 |
| .775 | -.1146 | -.1011 | -.0136 |
| .720 | -.1909 | -.1761 | -.0149 |
| .679 | -.2015 | -.1857 | -.0159 |
| .578 | -.2385 | -.2118 | -.0267 |
| .423 | -.3102 | -.2340 | -.0763 |
| .298 | -.3665 | -.2141 | -.1524 |
| .228 | -.3755 | -.1716 | -.2039 |
| .151 | -.3480 | -.1915 | -.1564 |
| .060 | -.2761 | -.2986 | 0.0225 |
| .012 | 0.1191 | -.3232 | 0.4423 |

Figure 110, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3501 | 0.3462 | 0.0039 |
| .940 | 0.1452 | 0.1415 | 0.0036 |
| .858 | 0.0026 | -.0008 | 0.0034 |
| .775 | -.1065 | -.1094 | 0.0029 |
| .720 | -.1823 | -.1848 | 0.0025 |
| .679 | -.1926 | -.1947 | 0.0021 |
| .578 | -.2272 | -.2232 | -.0040 |
| .423 | -.2895 | -.2546 | -.0350 |
| .298 | -.3309 | -.2493 | -.0816 |
| .228 | -.3234 | -.2237 | -.0998 |
| .151 | -.2594 | -.2820 | 0.0226 |
| .060 | -.1030 | -.4864 | 0.3834 |
| .012 | 0.4616 | -.7691 | 1.2307 |

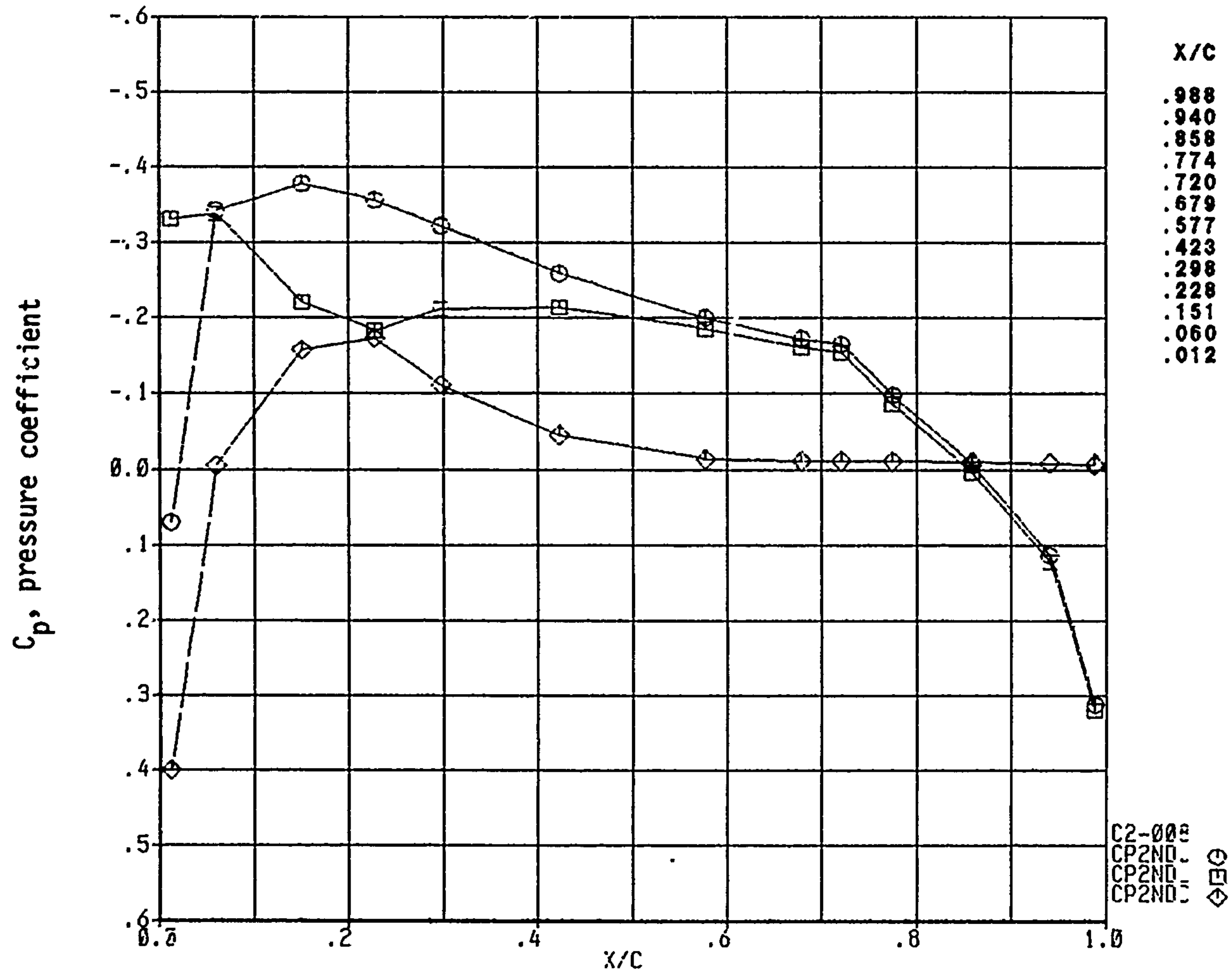
Figure 111, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3158 | 0.3162 | -.0004 |
| .940 | 0.1174 | 0.1186 | -.0011 |
| .858 | -.0023 | -.0004 | -.0019 |
| .774 | -.0925 | -.0898 | -.0028 |
| .720 | -.1606 | -.1575 | -.0030 |
| .679 | -.1671 | -.1643 | -.0029 |
| .577 | -.1941 | -.1889 | -.0052 |
| .423 | -.2535 | -.2190 | -.0345 |
| .298 | -.3141 | -.2181 | -.0960 |
| .228 | -.3458 | -.1928 | -.1529 |
| .151 | -.3505 | -.2487 | -.1018 |
| .060 | -.2642 | -.4204 | 0.1562 |
| .012 | 0.2525 | -.5545 | 0.8070 |

Figure 112, Chordwise Pressure Distribution, Steady, Configuration 1

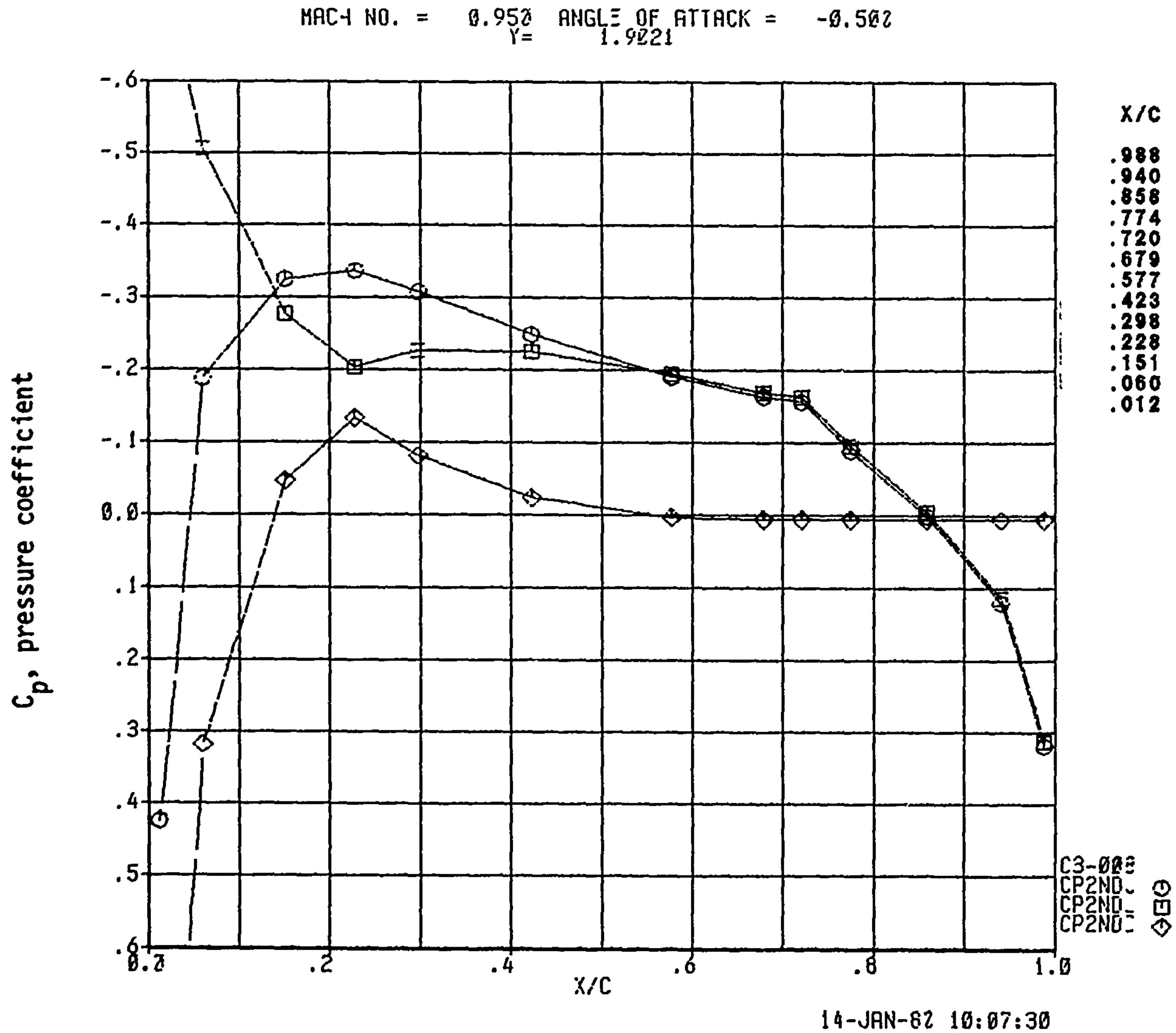
MACH NO = 0.950 ANGLE OF ATTACK = 0.502
Y= 1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3118 | 0.3191 | -.0073 |
| .940 | 0.1132 | 0.1217 | -.0085 |
| .858 | -.0070 | 0.0032 | -.0102 |
| .774 | -.0973 | -.0860 | -.0113 |
| .720 | -.1654 | -.1538 | -.0115 |
| .679 | -.1718 | -.1606 | -.0112 |
| .577 | -.1988 | -.1852 | -.0136 |
| .423 | -.2591 | -.2141 | -.0450 |
| .298 | -.3216 | -.2112 | -.1105 |
| .228 | -.3560 | -.1830 | -.1728 |
| .151 | -.3778 | -.2209 | -.1569 |
| .060 | -.3426 | -.3372 | -.0054 |
| .012 | 0.0691 | -.3305 | 0.3996 |

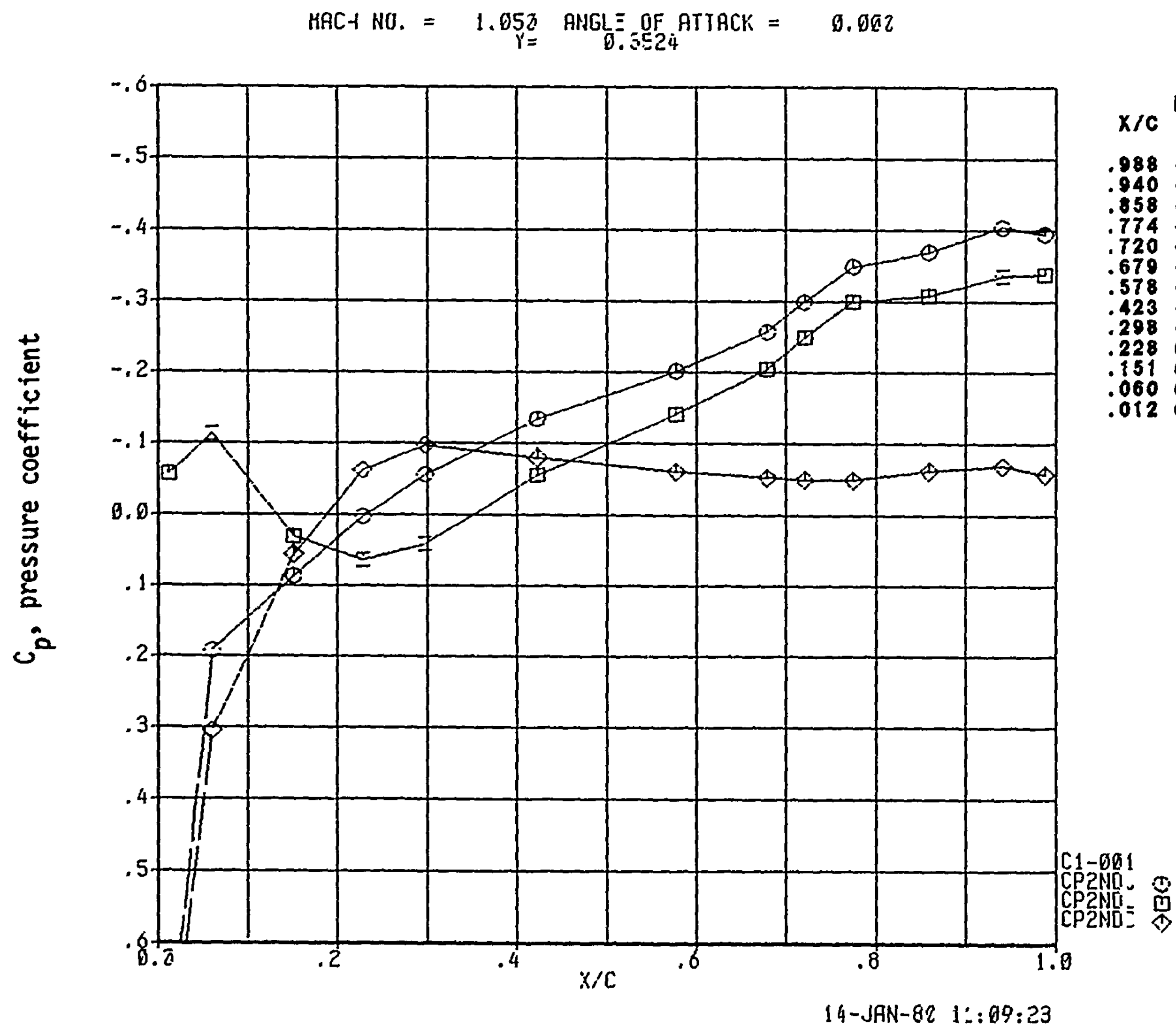
14-JAN-82 10:07:13

Figure 113, Chordwise Pressure Distribution, Steady, Configuration 1



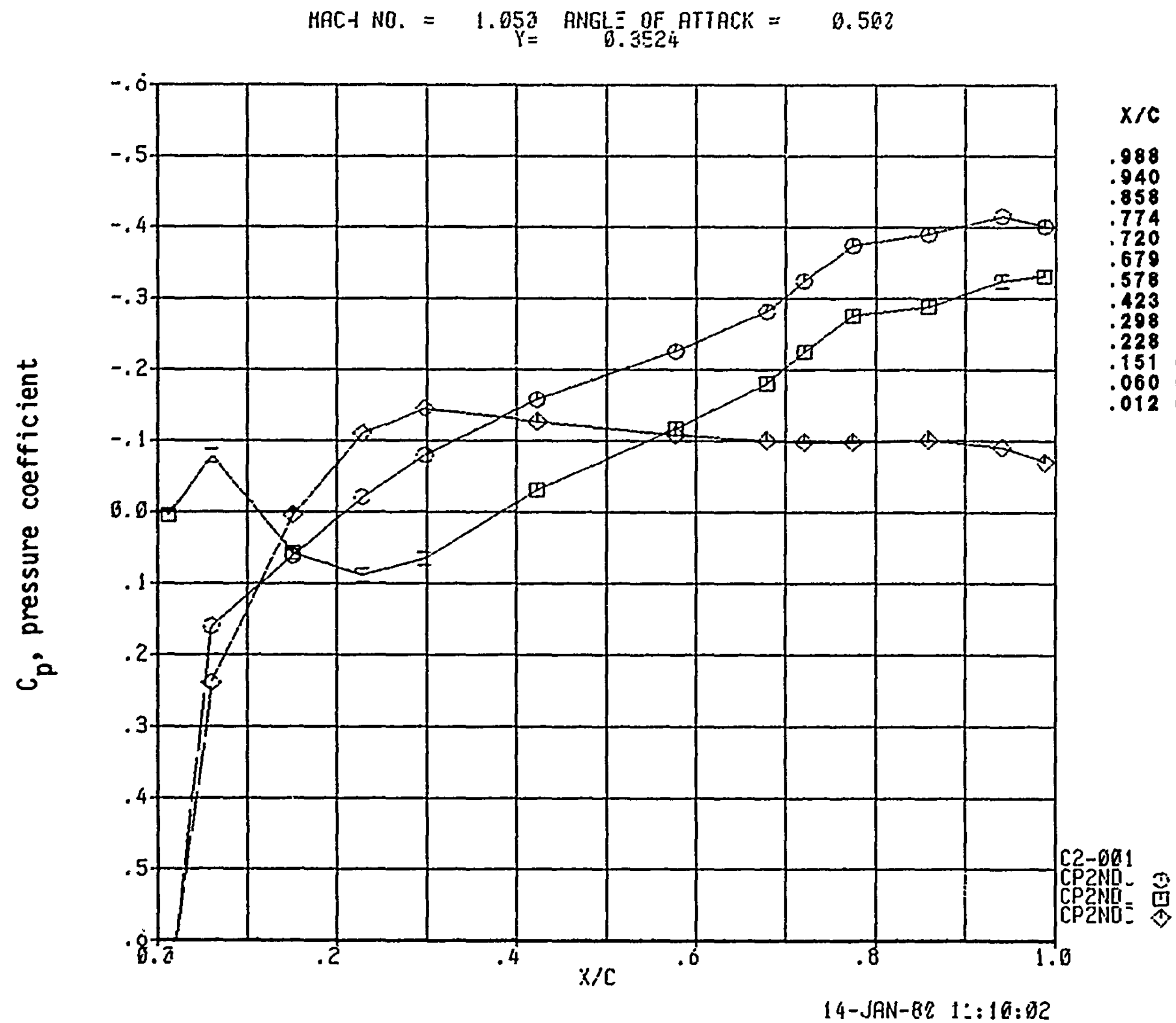

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3185 | 0.3122 | 0.0063 |
| .940 | 0.1204 | 0.1142 | 0.0063 |
| .858 | 0.0011 | -.0052 | 0.0062 |
| .774 | -.0889 | -.0948 | 0.0058 |
| .720 | -.1571 | -.1625 | 0.0054 |
| .679 | -.1636 | -.1692 | 0.0055 |
| .577 | -.1906 | -.1939 | 0.0032 |
| .423 | -.2488 | -.2250 | -.0239 |
| .298 | -.3075 | -.2260 | -.0815 |
| .228 | -.3366 | -.2035 | -.1331 |
| .151 | -.3243 | -.2775 | -.0468 |
| .060 | -.1879 | -.5058 | 0.3179 |
| .012 | 0.4243 | -.7902 | 1.2145 |

Figure 114, Chordwise Pressure Distribution, Steady, Configuration 1



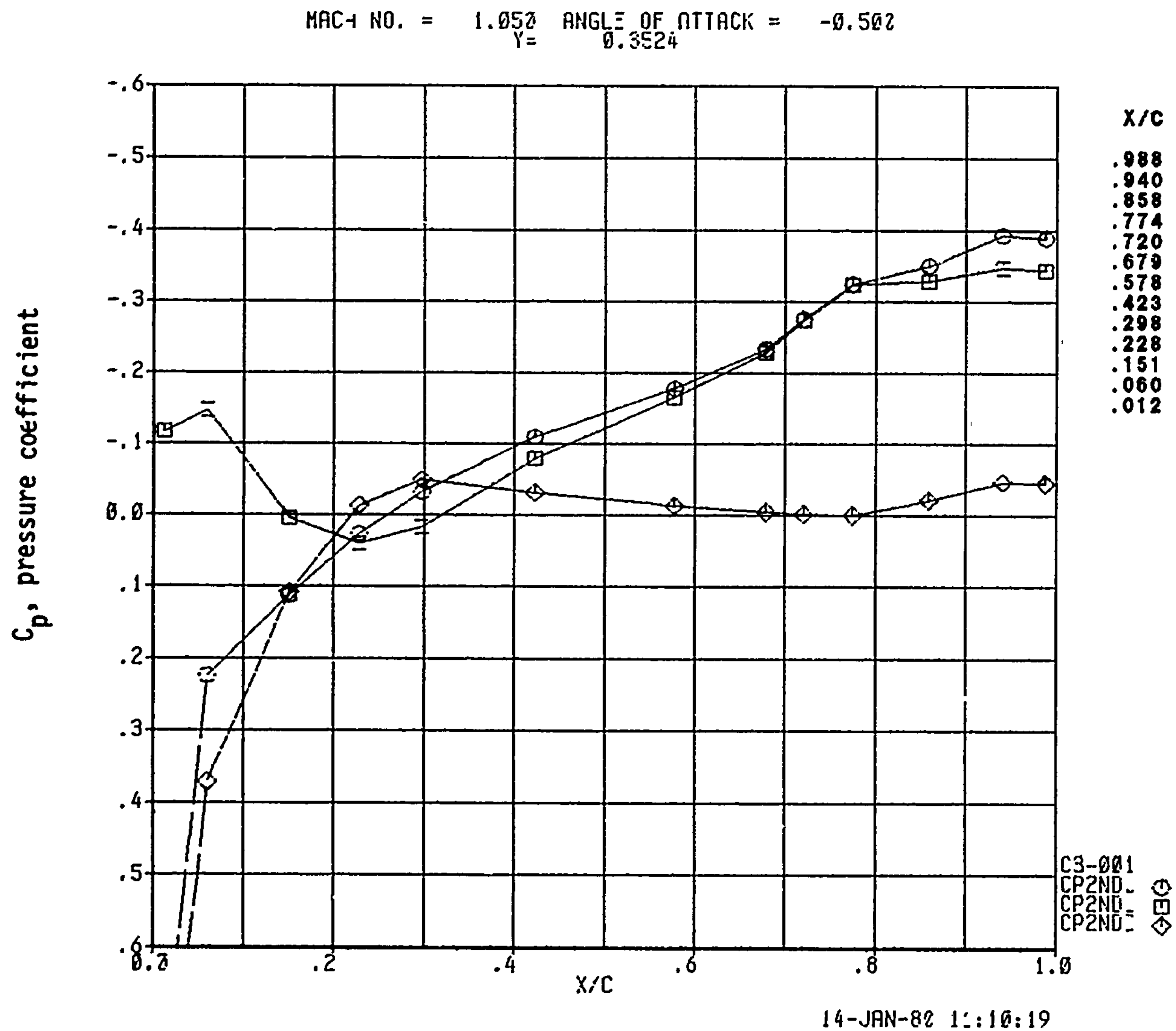

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3944 | -.3374 | -.0570 |
| .940 | -.4038 | -.3352 | -.0686 |
| .858 | -.3694 | -.3079 | -.0615 |
| .774 | -.3486 | -.2997 | -.0489 |
| .720 | -.2993 | -.2494 | -.0499 |
| .679 | -.2572 | -.2047 | -.0526 |
| .578 | -.2017 | -.1410 | -.0606 |
| .423 | -.1341 | -.0551 | -.0791 |
| .298 | -.0556 | 0.0413 | -.0969 |
| .228 | 0.0027 | 0.0643 | -.0616 |
| .151 | 0.0869 | 0.0310 | 0.0559 |
| .060 | 0.1920 | -.1125 | 0.3044 |
| .012 | 0.7377 | -.0560 | 0.7937 |

Figure 115, Chordwise Pressure Distribution, Steady, Configuration 1



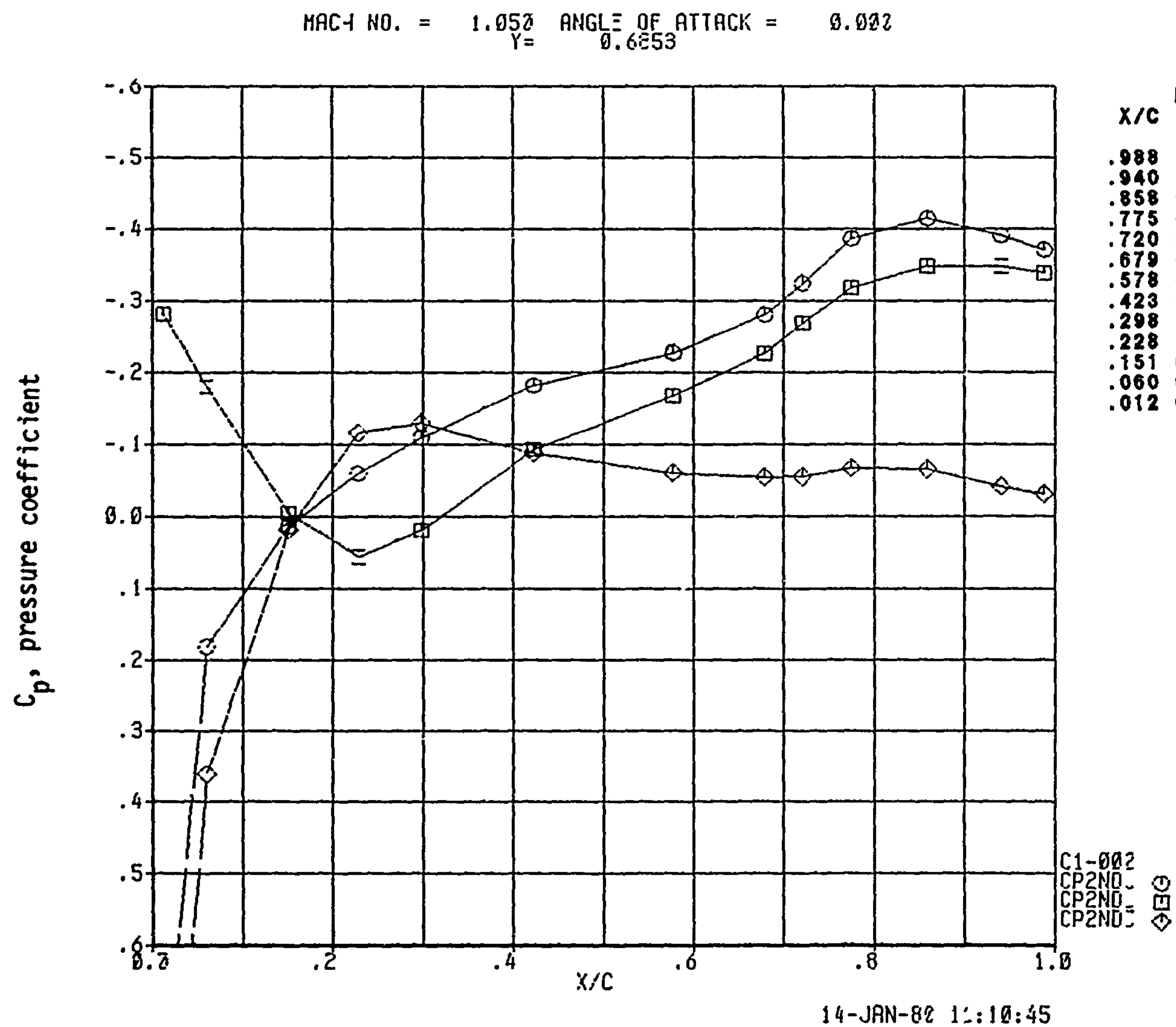

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.4008 | -.3312 | -.0697 |
| .940 | -.4149 | -.3242 | -.0907 |
| .858 | -.3896 | -.2879 | -.1017 |
| .774 | -.3730 | -.2753 | -.0978 |
| .720 | -.3235 | -.2253 | -.0982 |
| .679 | -.2813 | -.1807 | -.1007 |
| .578 | -.2256 | -.1171 | -.1085 |
| .423 | -.1580 | -.0311 | -.1269 |
| .298 | -.0795 | 0.0653 | -.1448 |
| .228 | -.0213 | 0.0887 | -.1102 |
| .151 | 0.0613 | 0.0575 | 0.0038 |
| .060 | 0.1600 | -.0782 | 0.2382 |
| .012 | 0.6861 | 0.0046 | 0.6814 |

Figure 116, Chordwise Pressure Distribution, Steady, Configuration 1



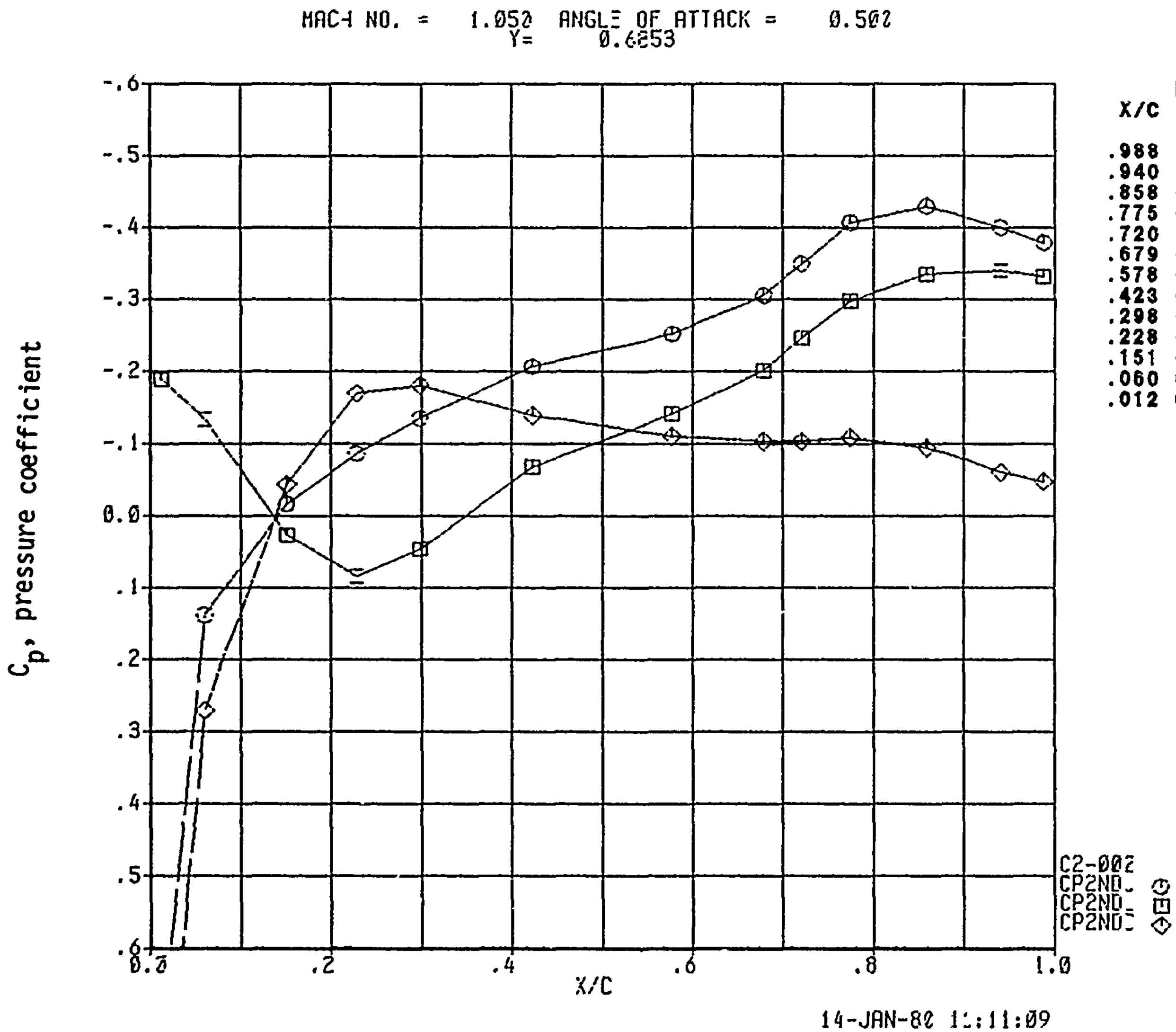

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3882 | -.3439 | -.0443 |
| .940 | -.3929 | -.3464 | -.0465 |
| .858 | -.3495 | -.3281 | -.0213 |
| .774 | -.3242 | -.3242 | 0.0000 |
| .720 | -.2753 | -.2737 | -.0017 |
| .679 | -.2333 | -.2288 | -.0044 |
| .578 | -.1779 | -.1650 | -.0129 |
| .423 | -.1103 | -.0790 | -.0314 |
| .298 | -.0318 | 0.0172 | -.0489 |
| .228 | 0.0266 | 0.0397 | -.0130 |
| .151 | 0.1124 | 0.0044 | 0.1079 |
| .060 | 0.2237 | -.1470 | 0.3705 |
| .012 | 0.7887 | -.1173 | 0.9060 |

Figure 117, Chordwise Pressure Distribution, Steady, Configuration 1



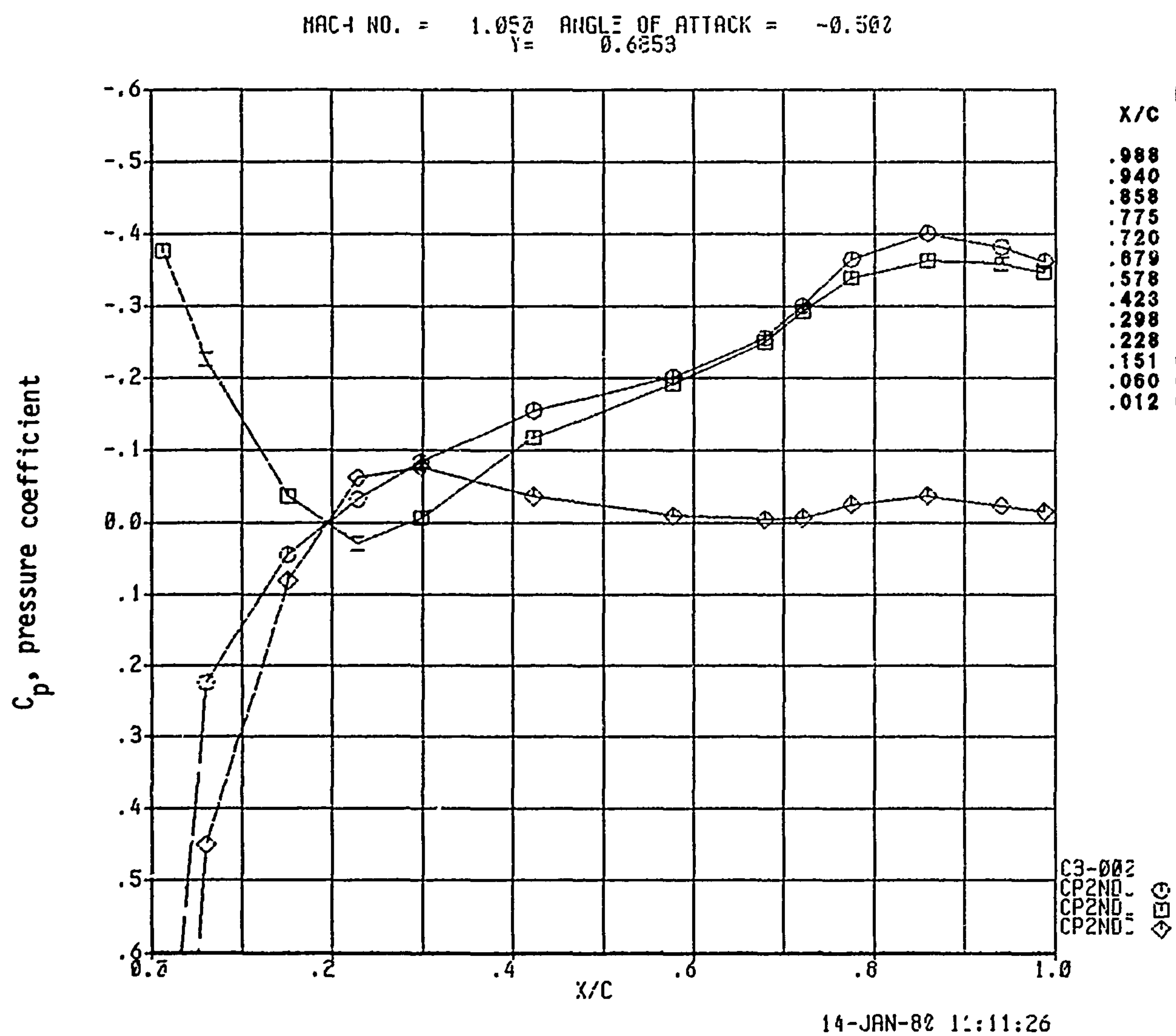

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3702 | -.3386 | -.0315 |
| .940 | -.3903 | -.3485 | -.0419 |
| .858 | -.4143 | -.3487 | -.0656 |
| .775 | -.3857 | -.3185 | -.0672 |
| .720 | -.3244 | -.2693 | -.0551 |
| .679 | -.2805 | -.2260 | -.0544 |
| .578 | -.2266 | -.1665 | -.0600 |
| .423 | -.1812 | -.0934 | -.0878 |
| .298 | -.1091 | 0.0196 | -.1287 |
| .228 | -.0597 | 0.0560 | -.1157 |
| .151 | 0.0137 | -.0050 | 0.0187 |
| .060 | 0.1809 | -.1797 | 0.3606 |
| .012 | 0.7997 | -.2814 | 1.0809 |

Figure 118, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3782 | -.3308 | -.0475 |
| .940 | -.3998 | -.3392 | -.0606 |
| .858 | -.4286 | -.3345 | -.0941 |
| .775 | -.4065 | -.2978 | -.1087 |
| .720 | -.3483 | -.2453 | -.1030 |
| .679 | -.3049 | -.2015 | -.1034 |
| .578 | -.2515 | -.1416 | -.1100 |
| .423 | -.2067 | -.0679 | -.1388 |
| .298 | -.1352 | 0.0457 | -.1810 |
| .228 | -.0866 | 0.0833 | -.1699 |
| .151 | -.0167 | 0.0265 | -.0432 |
| .060 | 0.1377 | -.1332 | 0.2708 |
| .012 | 0.7227 | -.1879 | 0.9105 |

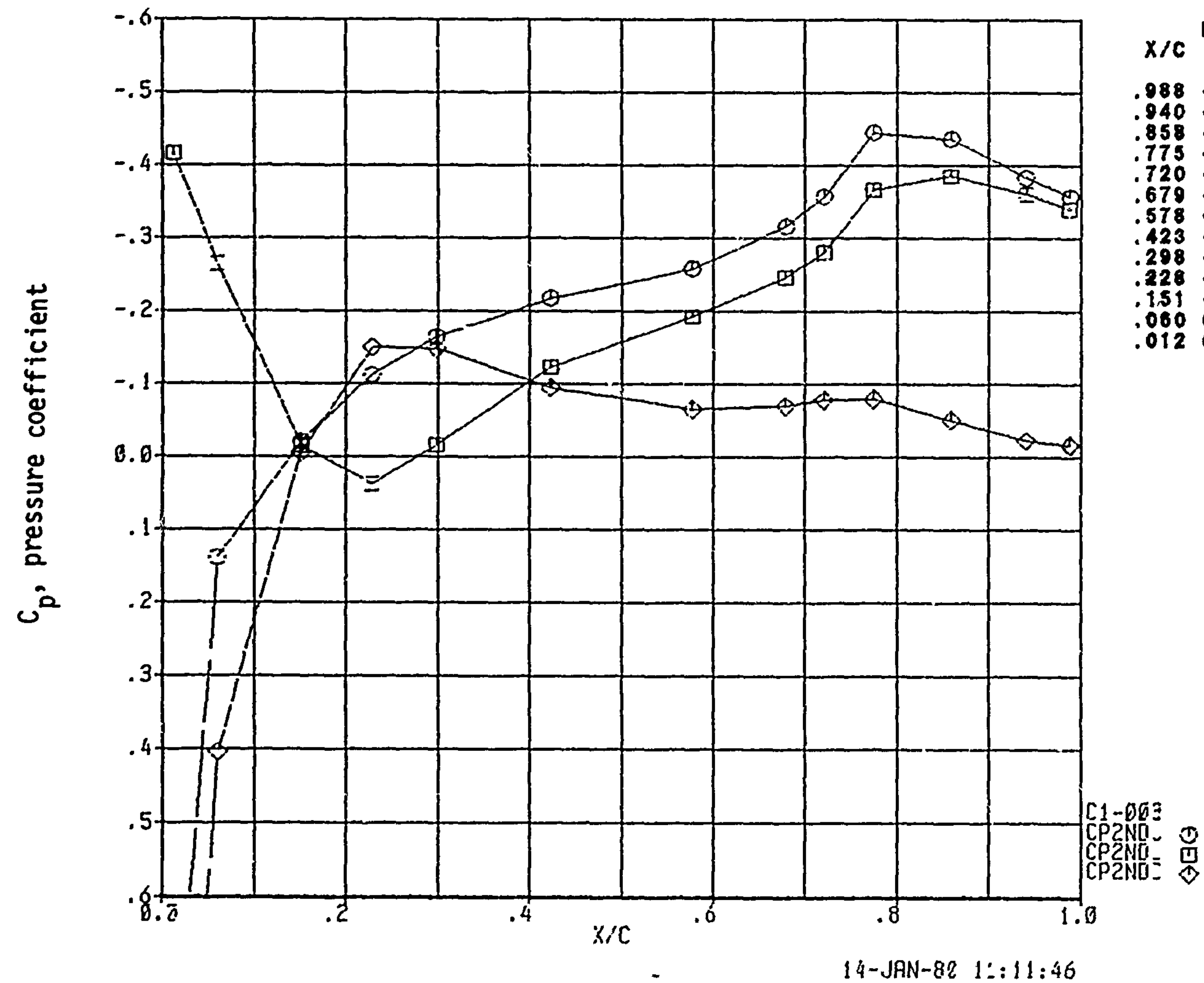
Figure 119, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3623 | -.3468 | -.0155 |
| .940 | -.3811 | -.3579 | -.0231 |
| .858 | -.4002 | -.3630 | -.0372 |
| .775 | -.3651 | -.3395 | -.0256 |
| .720 | -.3006 | -.2933 | -.0073 |
| .679 | -.2560 | -.2506 | -.0054 |
| .578 | -.2017 | -.1916 | -.0101 |
| .423 | -.1558 | -.1189 | -.0368 |
| .298 | -.0831 | -.0067 | -.0764 |
| .228 | -.0329 | 0.0286 | -.0615 |
| .151 | 0.0439 | -.0365 | 0.0804 |
| .060 | 0.2238 | -.2266 | 0.4503 |
| .012 | 0.8753 | -.3762 | 1.2514 |

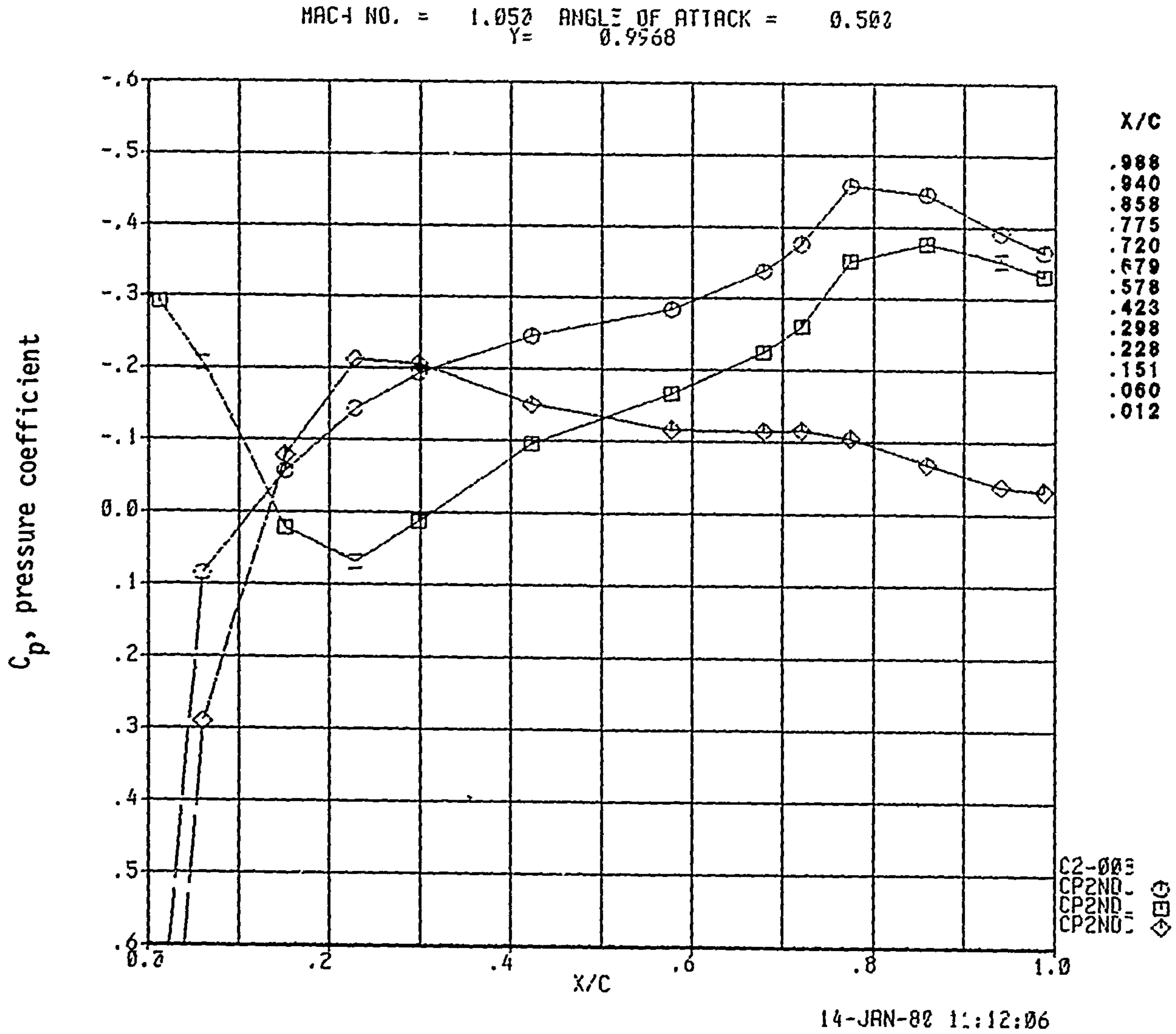
Figure 120, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.050 ANGLE OF ATTACK = 0.002
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3569 | -.3403 | -.0167 |
| .940 | -.3831 | -.3605 | -.0226 |
| .858 | -.4365 | -.3856 | -.0509 |
| .775 | -.4452 | -.3661 | -.0792 |
| .720 | -.3574 | -.2796 | -.0777 |
| .679 | -.3158 | -.2460 | -.0698 |
| .578 | -.2577 | -.1925 | -.0651 |
| .423 | -.2177 | -.1232 | -.0943 |
| .298 | -.1643 | -.0166 | -.1478 |
| .228 | -.1123 | 0.0379 | -.1502 |
| .151 | -.0206 | -.0151 | -.0055 |
| .060 | 0.1390 | -.2846 | 0.4036 |
| .012 | 0.8540 | -.4155 | 1.2695 |

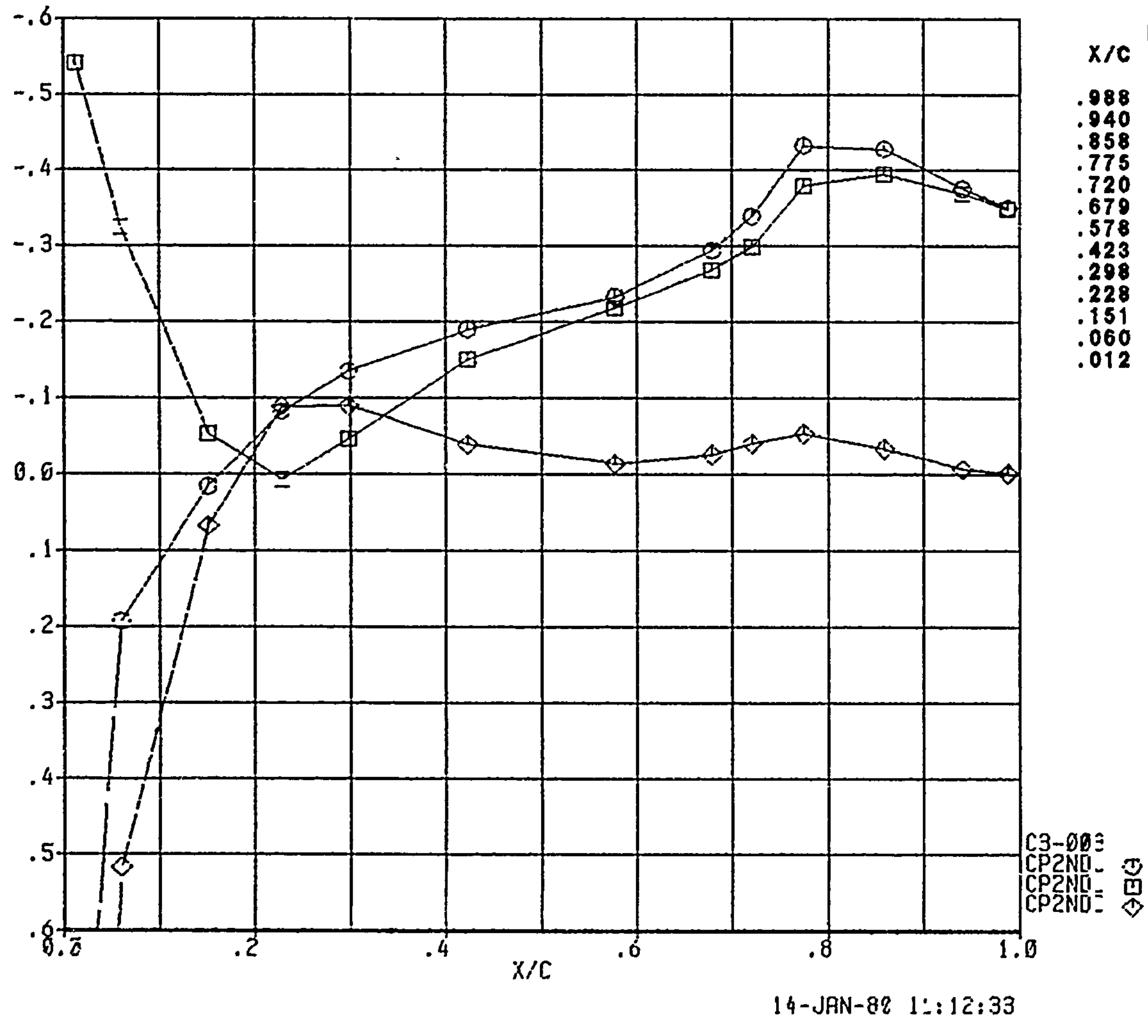
Figure 121, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3649 | -.3325 | -.0323 |
| .940 | -.3912 | -.3526 | -.0386 |
| .858 | -.4454 | -.3769 | -.0685 |
| .775 | -.4583 | -.3531 | -.1052 |
| .720 | -.3763 | -.2607 | -.1156 |
| .679 | -.3379 | -.2239 | -.1140 |
| .578 | -.2833 | -.1669 | -.1164 |
| .423 | -.2454 | -.0955 | -.1499 |
| .298 | -.1935 | 0.0126 | -.2061 |
| .228 | -.1429 | 0.0687 | -.2116 |
| .151 | -.0565 | 0.0218 | -.0784 |
| .060 | 0.0846 | -.2057 | 0.2904 |
| .012 | 0.7543 | -.2915 | 1.0457 |

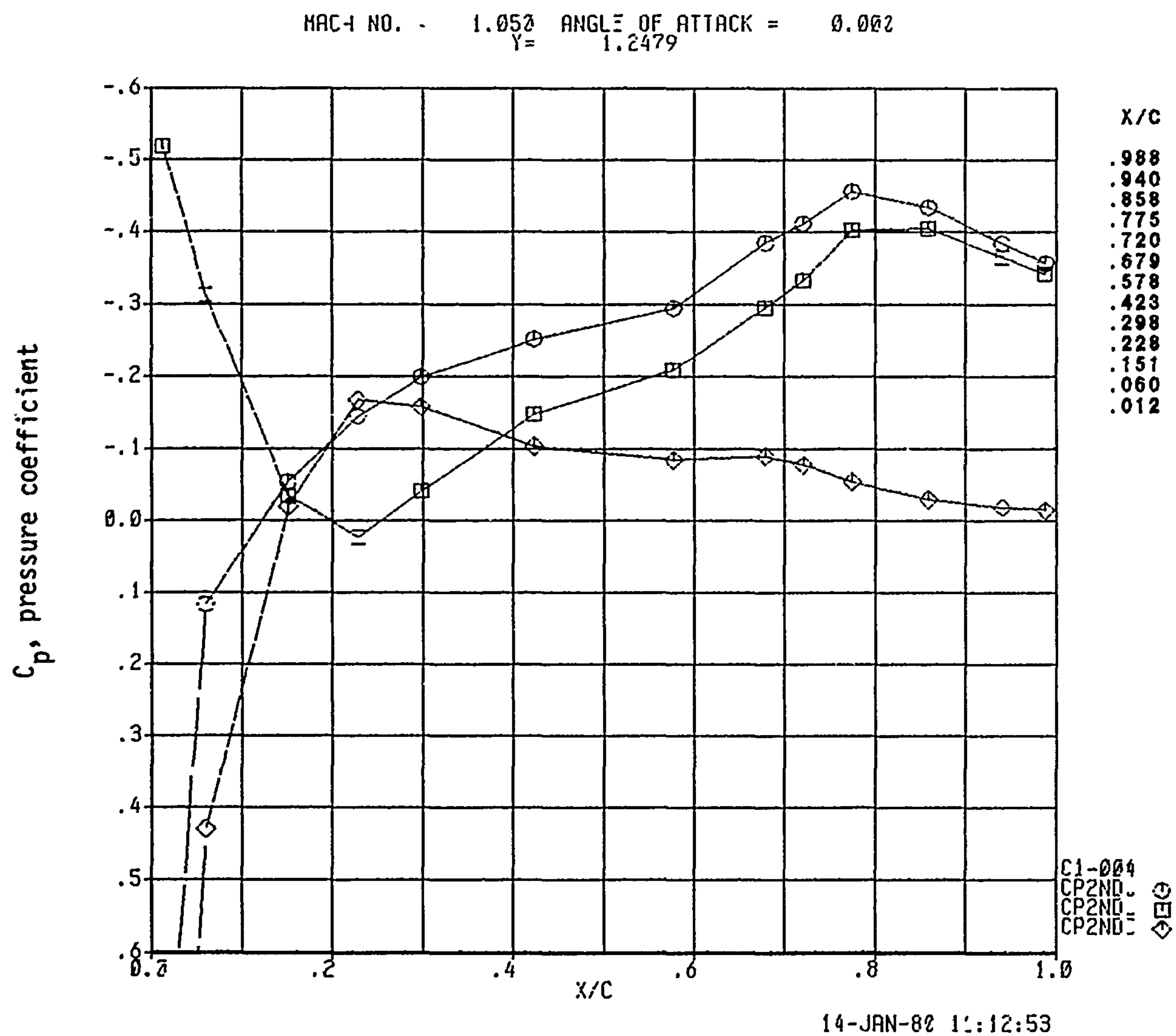
Figure 122, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.050 ANGLE OF ATTACK = -0.500
Y= 0.9568



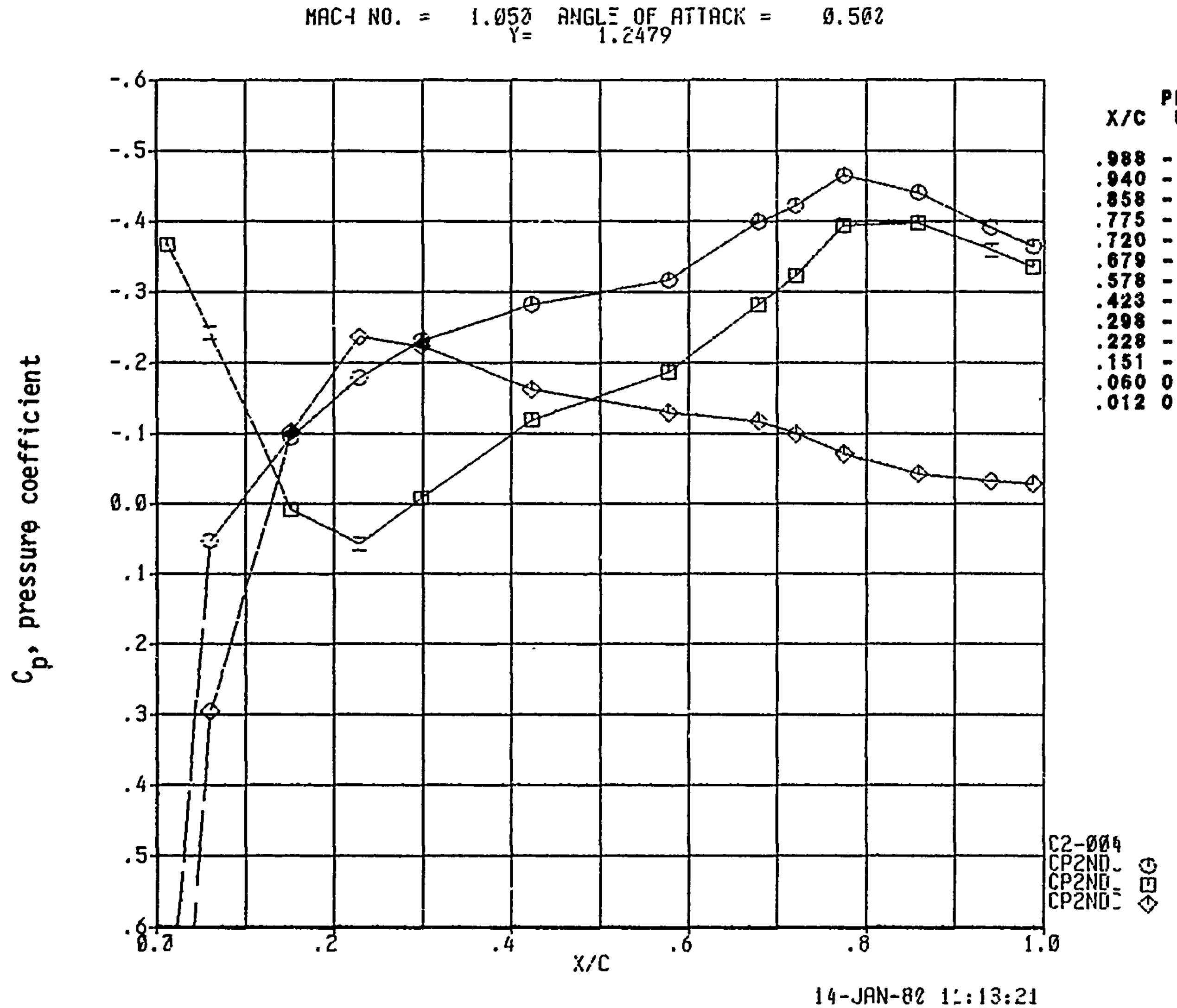

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3493 | -.3482 | -.0010 |
| .940 | -.3752 | -.3686 | -.0066 |
| .858 | -.4278 | -.3946 | -.0332 |
| .775 | -.4323 | -.3793 | -.0530 |
| .720 | -.3385 | -.2987 | -.0399 |
| .679 | -.2939 | -.2683 | -.0255 |
| .578 | -.2321 | -.2183 | -.0138 |
| .423 | -.1900 | -.1512 | -.0389 |
| .298 | -.1353 | -.0459 | -.0894 |
| .228 | -.0820 | 0.0068 | -.0888 |
| .151 | 0.0151 | -.0523 | 0.0673 |
| .060 | 0.1929 | -.3238 | 0.5167 |
| .012 | 0.9517 | -.5416 | 1.4933 |

Figure 123, Chordwise Pressure Distribution, Steady, Configuration 1



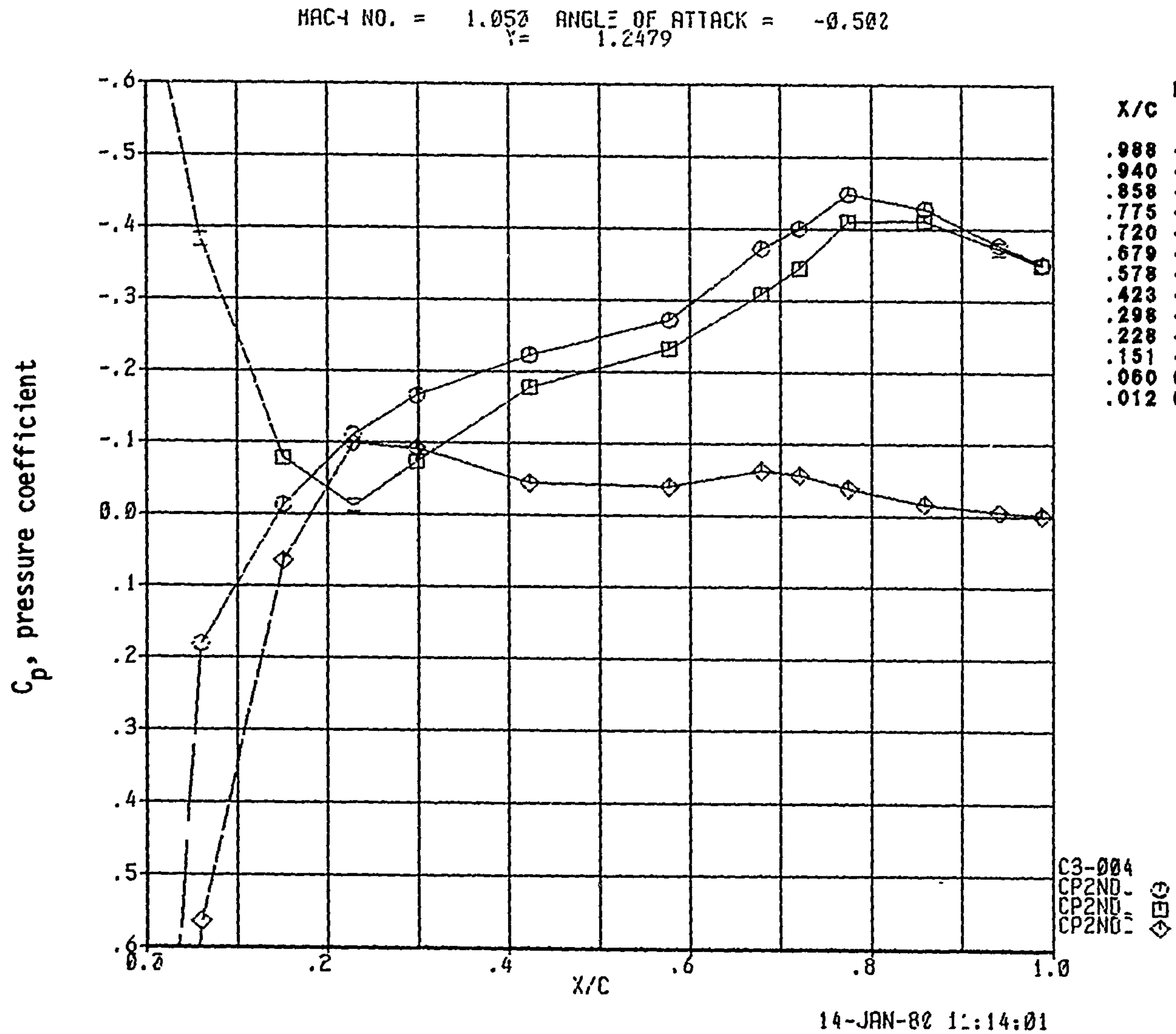

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3569 | -.3423 | -.0148 |
| .940 | -.3840 | -.3652 | -.0188 |
| .858 | -.4338 | -.4041 | -.0298 |
| .775 | -.4561 | -.4016 | -.0545 |
| .720 | -.4109 | -.3331 | -.0778 |
| .679 | -.3850 | -.2952 | -.0898 |
| .578 | -.2943 | -.2096 | -.0847 |
| .423 | -.2520 | -.1486 | -.1034 |
| .298 | -.1988 | -.0409 | -.1579 |
| .228 | -.1449 | 0.0228 | -.1677 |
| .151 | -.0539 | -.0350 | -.0190 |
| .060 | 0.1171 | -.3123 | 0.4294 |
| .012 | 0.8694 | -.5176 | 1.3869 |

Figure 124, Chordwise Pressure Distribution, Steady, Configuration 1



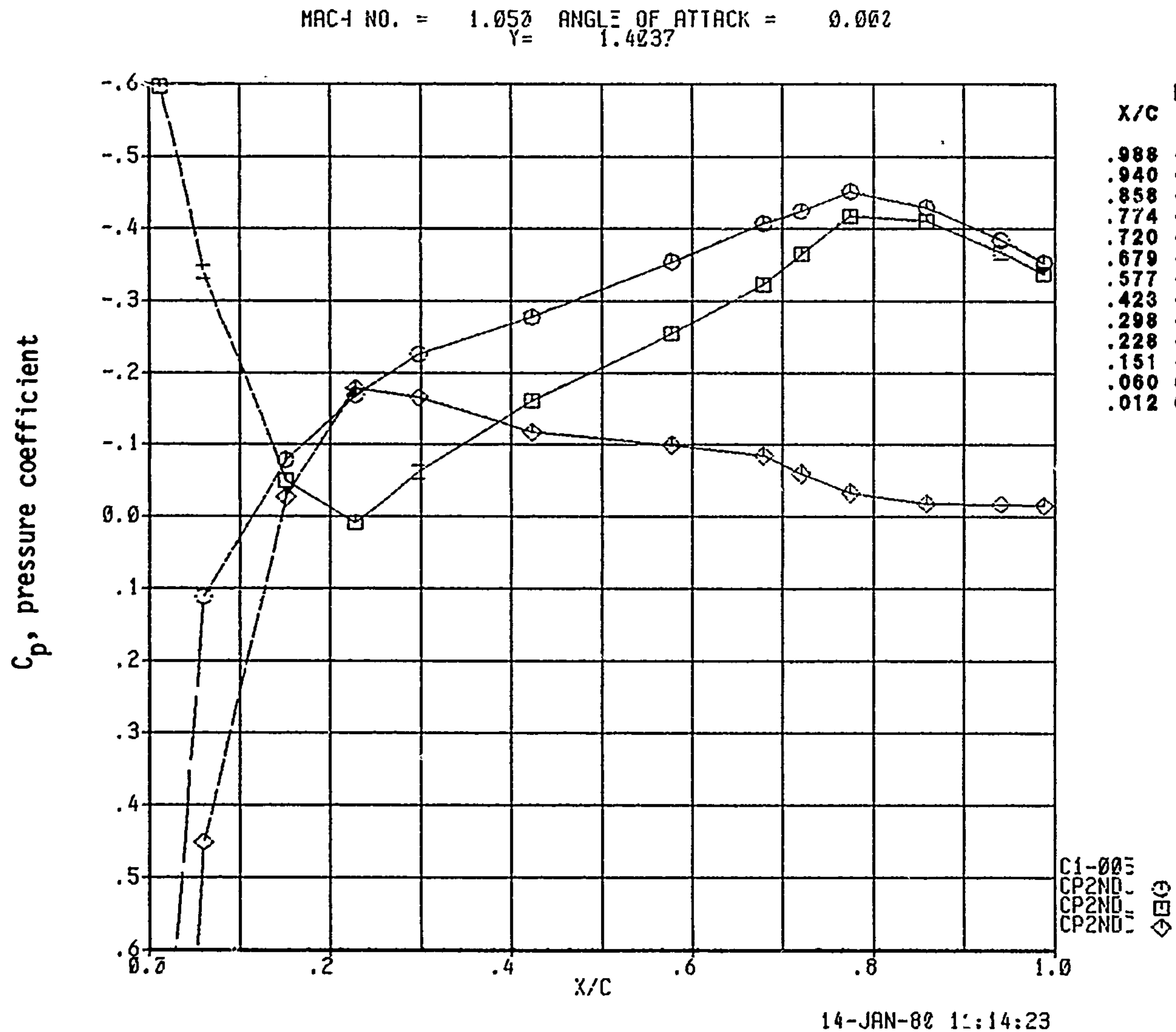

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3642 | -.3354 | -.0288 |
| .940 | -.3908 | -.3587 | -.0321 |
| .858 | -.4405 | -.3976 | -.0428 |
| .775 | -.4646 | -.3933 | -.0712 |
| .720 | -.4218 | -.3222 | -.0996 |
| .679 | -.3989 | -.2812 | -.1177 |
| .578 | -.3168 | -.1872 | -.1296 |
| .423 | -.2817 | -.1190 | -.1627 |
| .298 | -.2315 | -.0083 | -.2233 |
| .228 | -.1792 | 0.0574 | -.2366 |
| .151 | -.0952 | 0.0074 | -.1026 |
| .060 | 0.0527 | -.2425 | 0.2951 |
| .012 | 0.7493 | -.3665 | 1.1158 |

Figure 125, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3501 | -.3494 | -.0008 |
| .940 | -.3775 | -.3719 | -.0055 |
| .858 | -.4274 | -.4108 | -.0166 |
| .775 | -.4480 | -.4102 | -.0378 |
| .720 | -.4001 | -.3443 | -.0559 |
| .679 | -.3713 | -.3093 | -.0619 |
| .578 | -.2720 | -.2323 | -.0398 |
| .423 | -.2226 | -.1783 | -.0443 |
| .298 | -.1663 | -.0738 | -.0926 |
| .228 | -.1108 | -.0121 | -.0987 |
| .151 | -.0129 | -.0777 | 0.0646 |
| .060 | 0.1809 | -.3827 | 0.5637 |
| .012 | 0.9863 | -.6716 | 1.6579 |

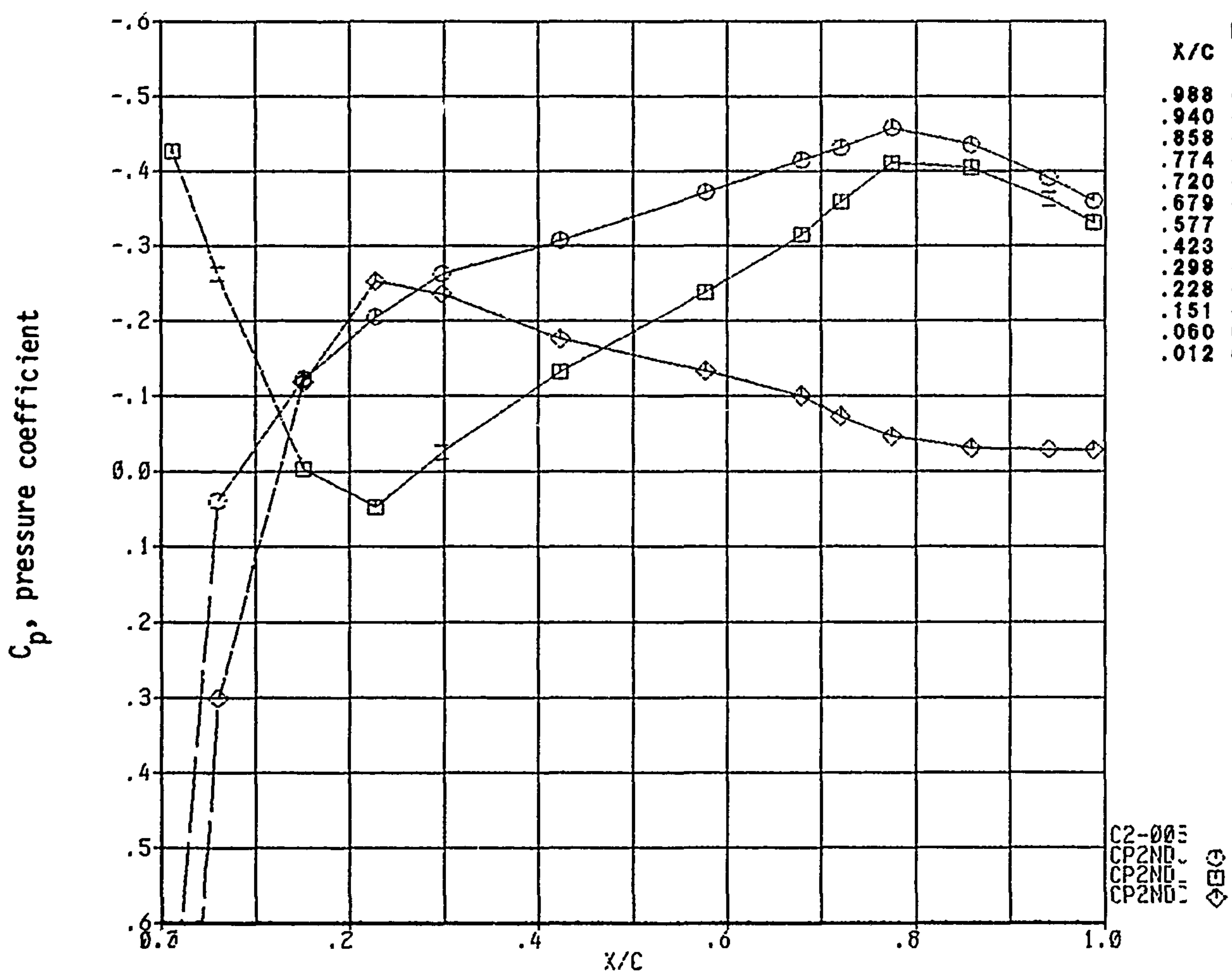
Figure 126, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3531 | -.3375 | -.0156 |
| .940 | -.3845 | -.3671 | -.0175 |
| .858 | -.4286 | -.4098 | -.0188 |
| .774 | -.4505 | -.4170 | -.0335 |
| .720 | -.4238 | -.3653 | -.0586 |
| .679 | -.4066 | -.3227 | -.0839 |
| .577 | -.3542 | -.2552 | -.0990 |
| .423 | -.2779 | -.1613 | -.1167 |
| .298 | -.2265 | -.0612 | -.1653 |
| .228 | -.1680 | 0.0097 | -.1777 |
| .151 | -.0774 | -.0502 | -.0272 |
| .060 | 0.1111 | -.3399 | 0.4509 |
| .012 | 0.8588 | -.5964 | 1.4552 |

Figure 127, Chordwise Pressure Distribution, Steady, Configuration 1

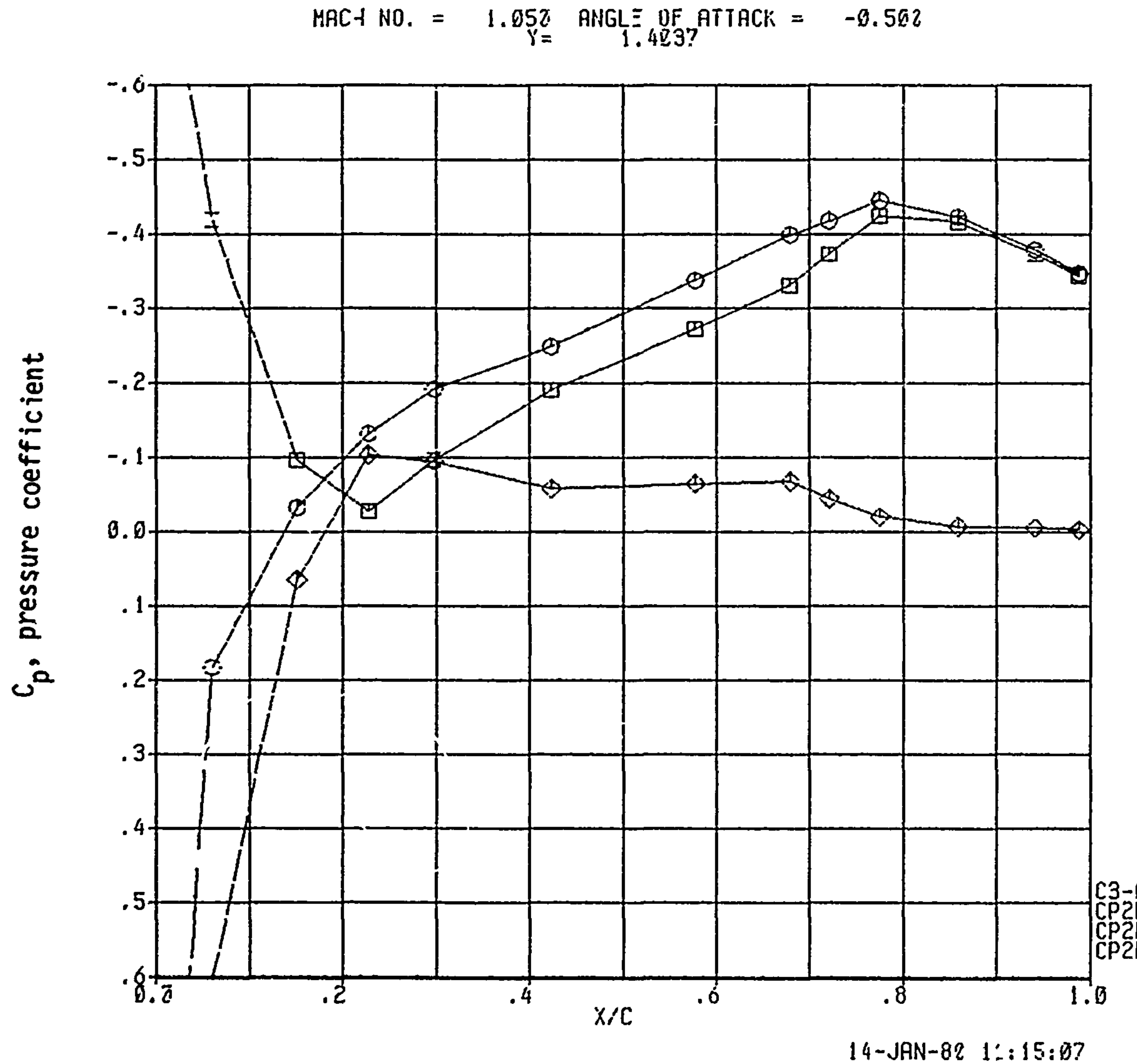
MACH NO. = 1.052 ANGLE OF ATTACK = 0.502
Y= 1.4237




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3596 | -.3314 | -.0282 |
| .940 | -.3906 | -.3614 | -.0292 |
| .858 | -.4347 | -.4040 | -.0306 |
| .774 | -.4574 | -.4104 | -.0470 |
| .720 | -.4310 | -.3583 | -.0726 |
| .679 | -.4148 | -.3146 | -.1002 |
| .577 | -.3713 | -.2380 | -.1333 |
| .423 | -.3073 | -.1320 | -.1754 |
| .298 | -.2619 | -.0259 | -.2361 |
| .228 | -.2049 | 0.0470 | -.2520 |
| .151 | -.1224 | -.0041 | -.1182 |
| .060 | 0.0389 | -.2618 | 0.3007 |
| .012 | 0.7242 | -.4262 | 1.1503 |

14-JAN-82 11:14:45

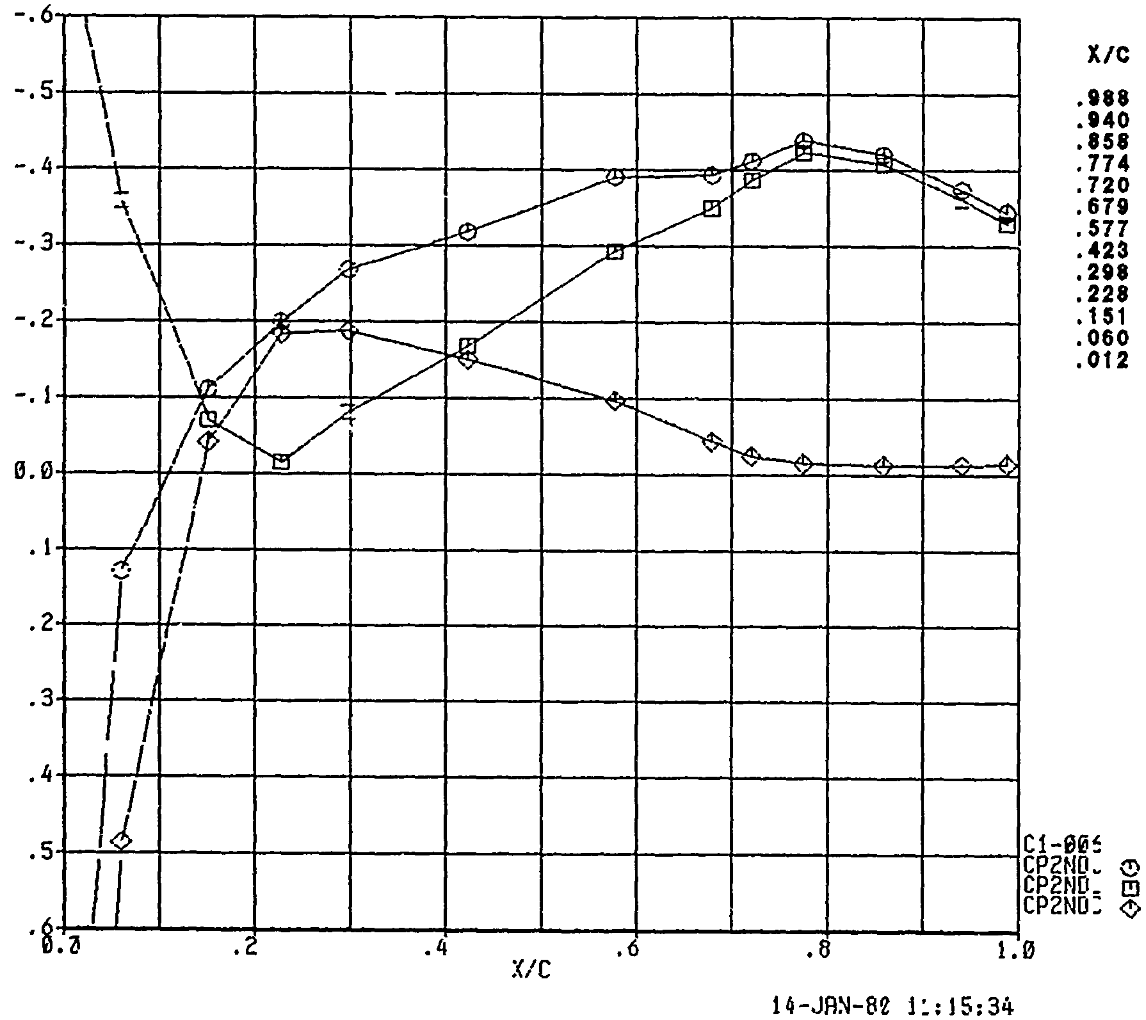
Figure 128, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3470 | -.3440 | -.0030 |
| .940 | -.3789 | -.3731 | -.0057 |
| .858 | -.4229 | -.4159 | -.0070 |
| .774 | -.4440 | -.4240 | -.0200 |
| .720 | -.4170 | -.3725 | -.0445 |
| .679 | -.3988 | -.3311 | -.0676 |
| .577 | -.3373 | -.2726 | -.0647 |
| .423 | -.2488 | -.1908 | -.0580 |
| .298 | -.1912 | -.0968 | -.0945 |
| .228 | -.1312 | -.0278 | -.1034 |
| .151 | -.0327 | -.0966 | 0.0639 |
| .060 | 0.1824 | -.4188 | 0.6012 |
| .012 | 0.9896 | -.7705 | 1.7601 |

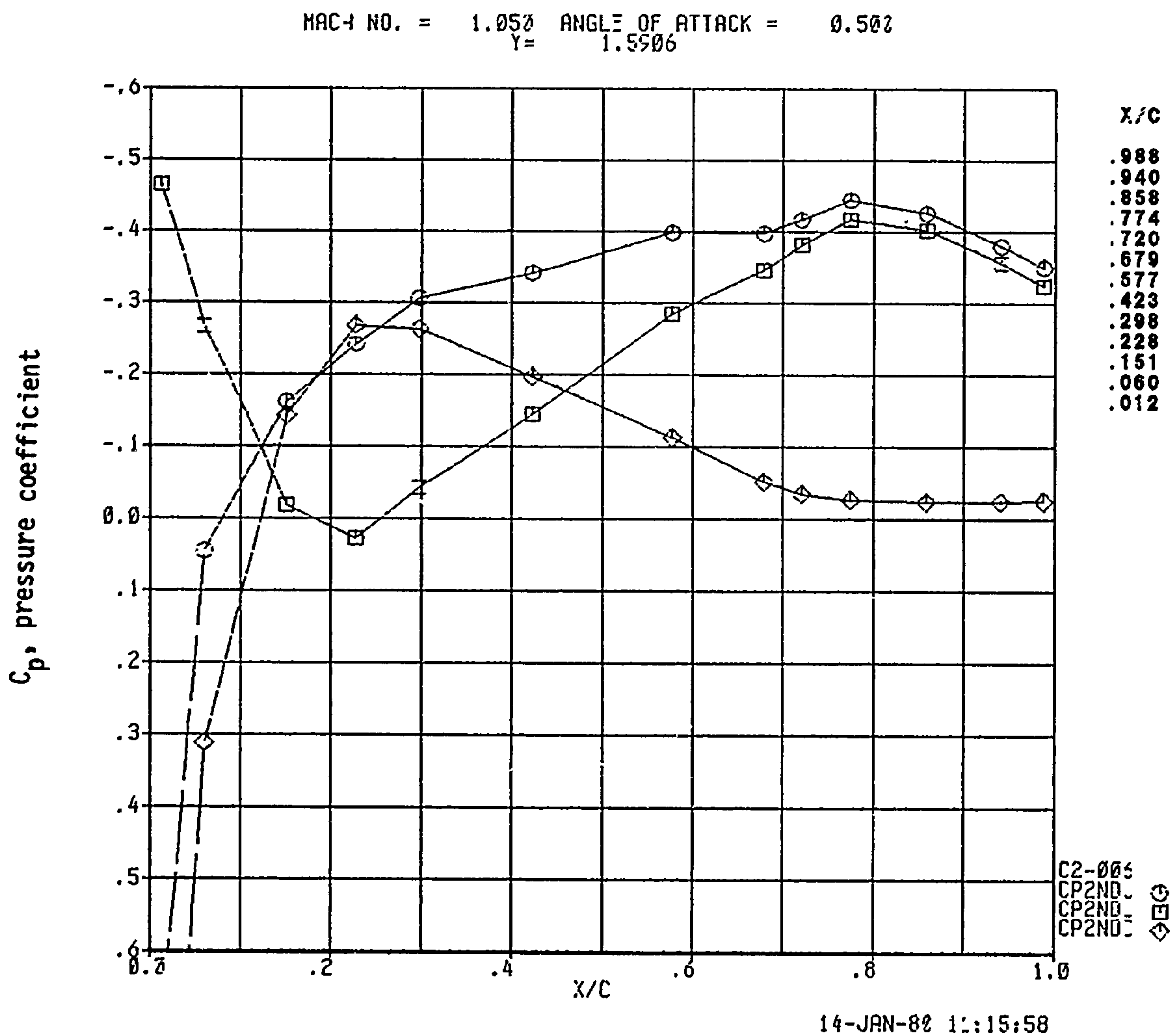
Figure 129, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.050 ANGLE OF ATTACK = 0.002
Y= 1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3437 | -.3298 | -.0140 |
| .940 | -.3739 | -.3607 | -.0132 |
| .858 | -.4201 | -.4077 | -.0124 |
| .774 | -.4382 | -.4228 | -.0154 |
| .720 | -.4113 | -.3863 | -.0248 |
| .679 | -.3926 | -.3494 | -.0433 |
| .577 | -.3901 | -.2929 | -.0972 |
| .423 | -.3179 | -.1679 | -.1499 |
| .298 | -.2673 | -.0804 | -.1870 |
| .228 | -.1992 | -.0153 | -.1840 |
| .151 | -.1113 | -.0699 | -.0415 |
| .060 | 0.1287 | -.3569 | 0.4856 |
| .012 | 0.8678 | -.6626 | 1.5304 |

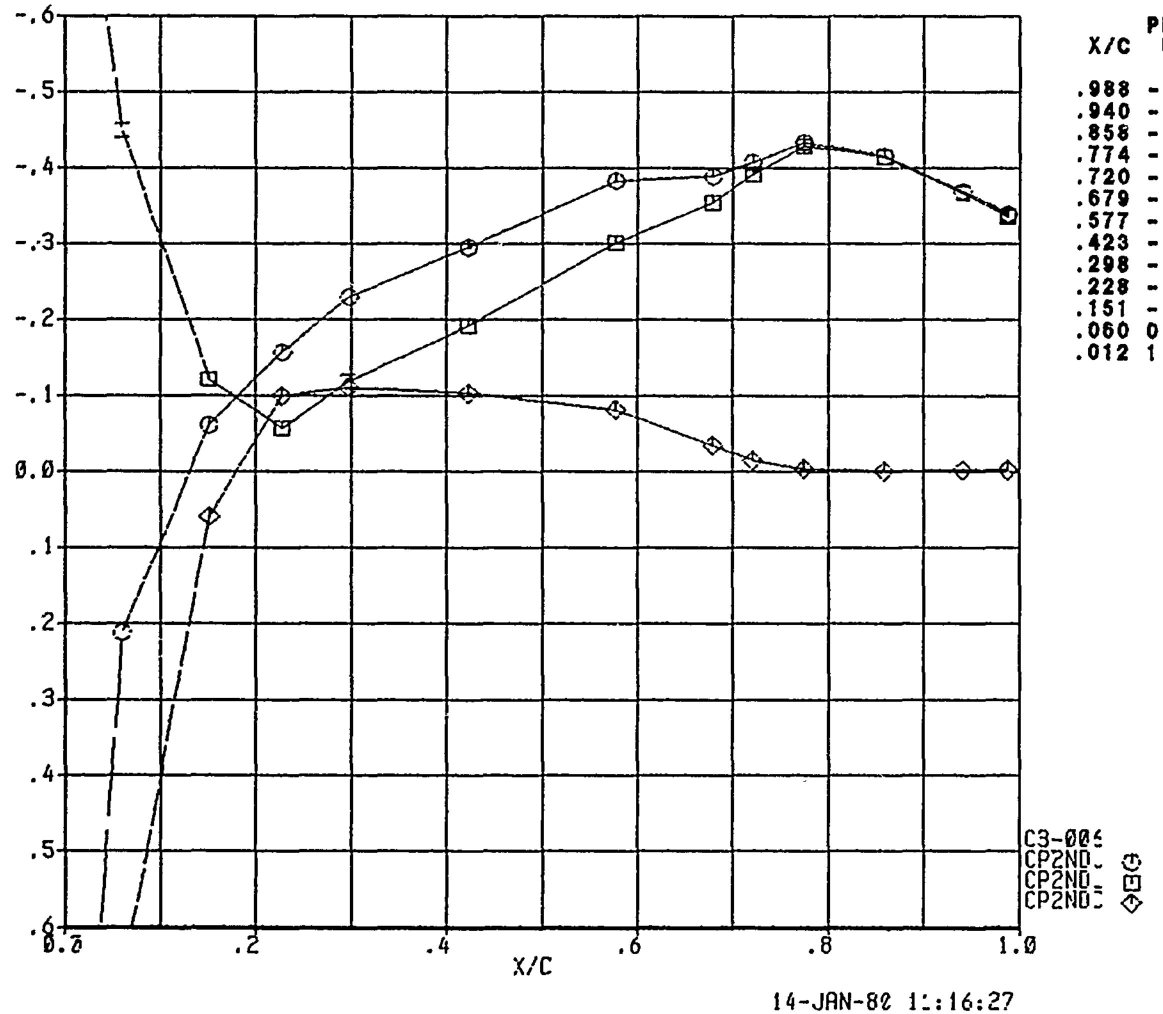
Figure 130, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3496 | -.3244 | -.0252 |
| .940 | -.3796 | -.3554 | -.0242 |
| .858 | -.4260 | -.4022 | -.0238 |
| .774 | -.4442 | -.4172 | -.0269 |
| .720 | -.4165 | -.3814 | -.0351 |
| .679 | -.3968 | -.3454 | -.0515 |
| .577 | -.3978 | -.2852 | -.1126 |
| .423 | -.3413 | -.1444 | -.1969 |
| .298 | -.3056 | -.0422 | -.2633 |
| .228 | -.2413 | 0.0271 | -.2684 |
| .151 | -.1613 | -.0189 | -.1424 |
| .060 | 0.0447 | -.2660 | 0.3107 |
| .012 | 0.7129 | -.4657 | 1.1786 |

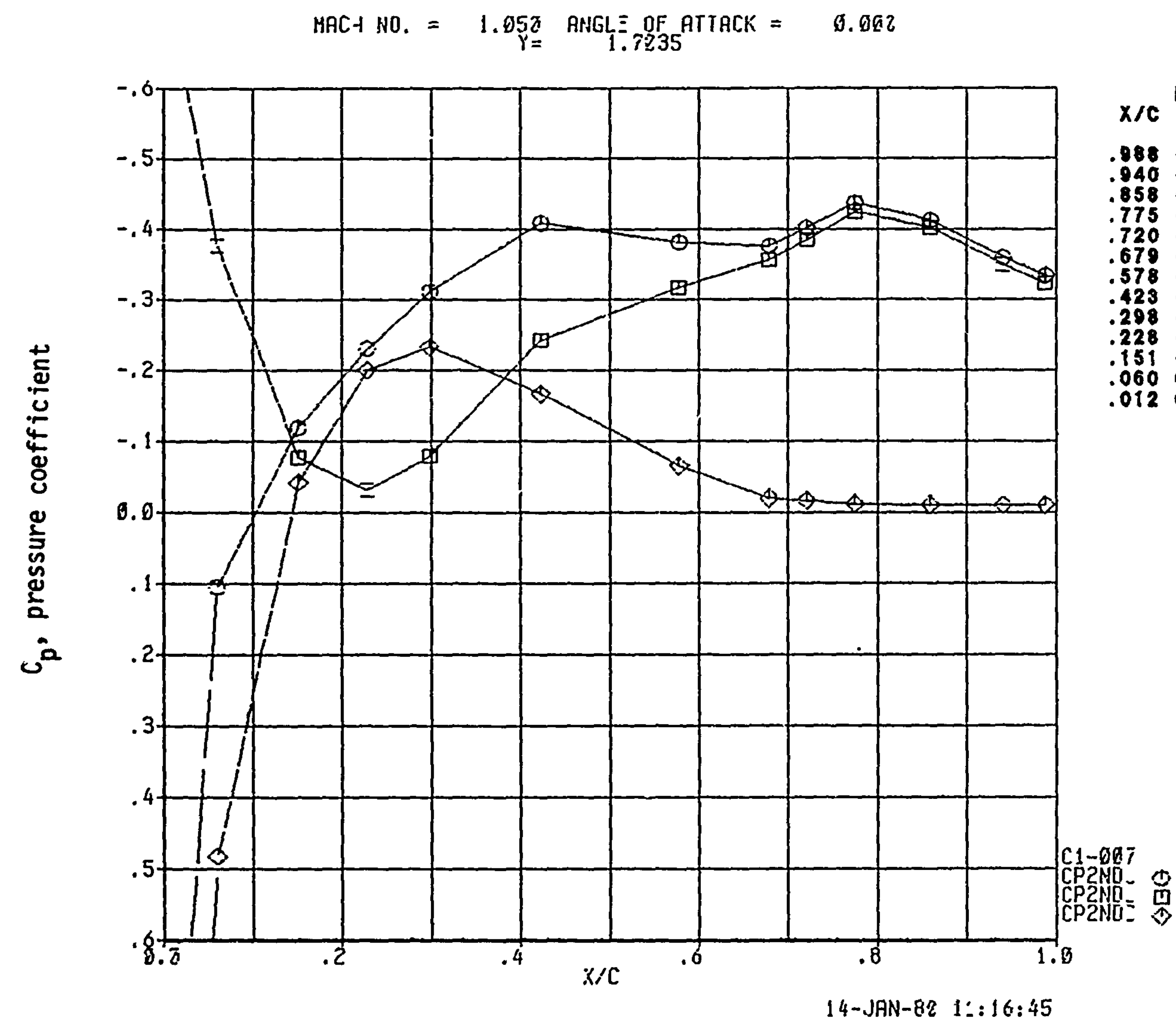
Figure 131, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.050 ANGLE OF ATTACK = -0.502
Y= 1.5906



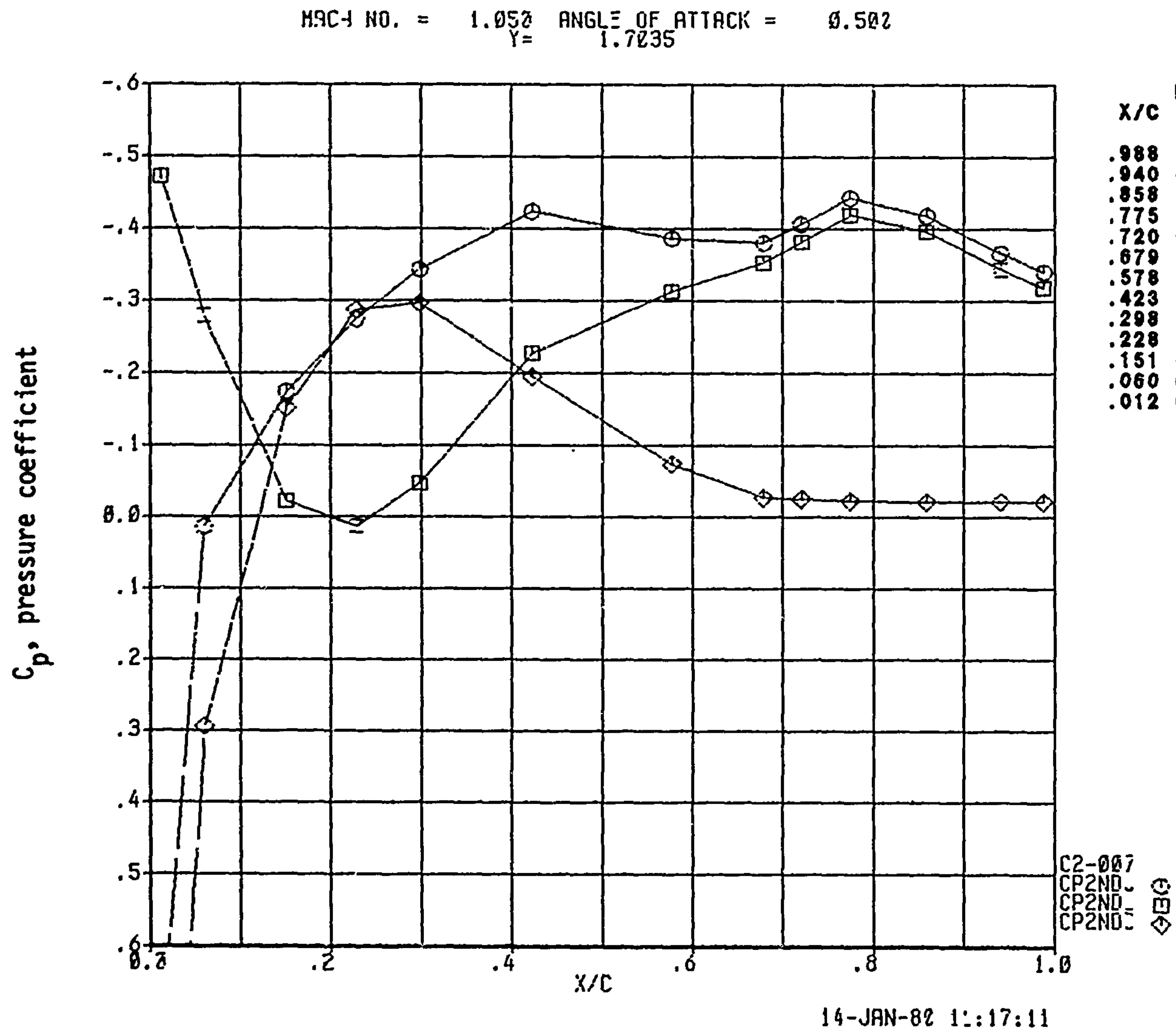

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3383 | -.3356 | -.0027 |
| .940 | -.3686 | -.3664 | -.0022 |
| .858 | -.4146 | -.4137 | -.0009 |
| .774 | -.4327 | -.4289 | -.0038 |
| .720 | -.4064 | -.3917 | -.0147 |
| .679 | -.3888 | -.3537 | -.0351 |
| .577 | -.3828 | -.3009 | -.0819 |
| .423 | -.2947 | -.1918 | -.1030 |
| .298 | -.2293 | -.1188 | -.1105 |
| .228 | -.1573 | -.0578 | -.0995 |
| .151 | -.0618 | -.1212 | 0.0593 |
| .060 | 0.2117 | -.4489 | 0.6606 |
| .012 | 1.0176 | -.8647 | 1.8822 |

Figure 132, Chordwise Pressure Distribution, Steady, Configuration 1



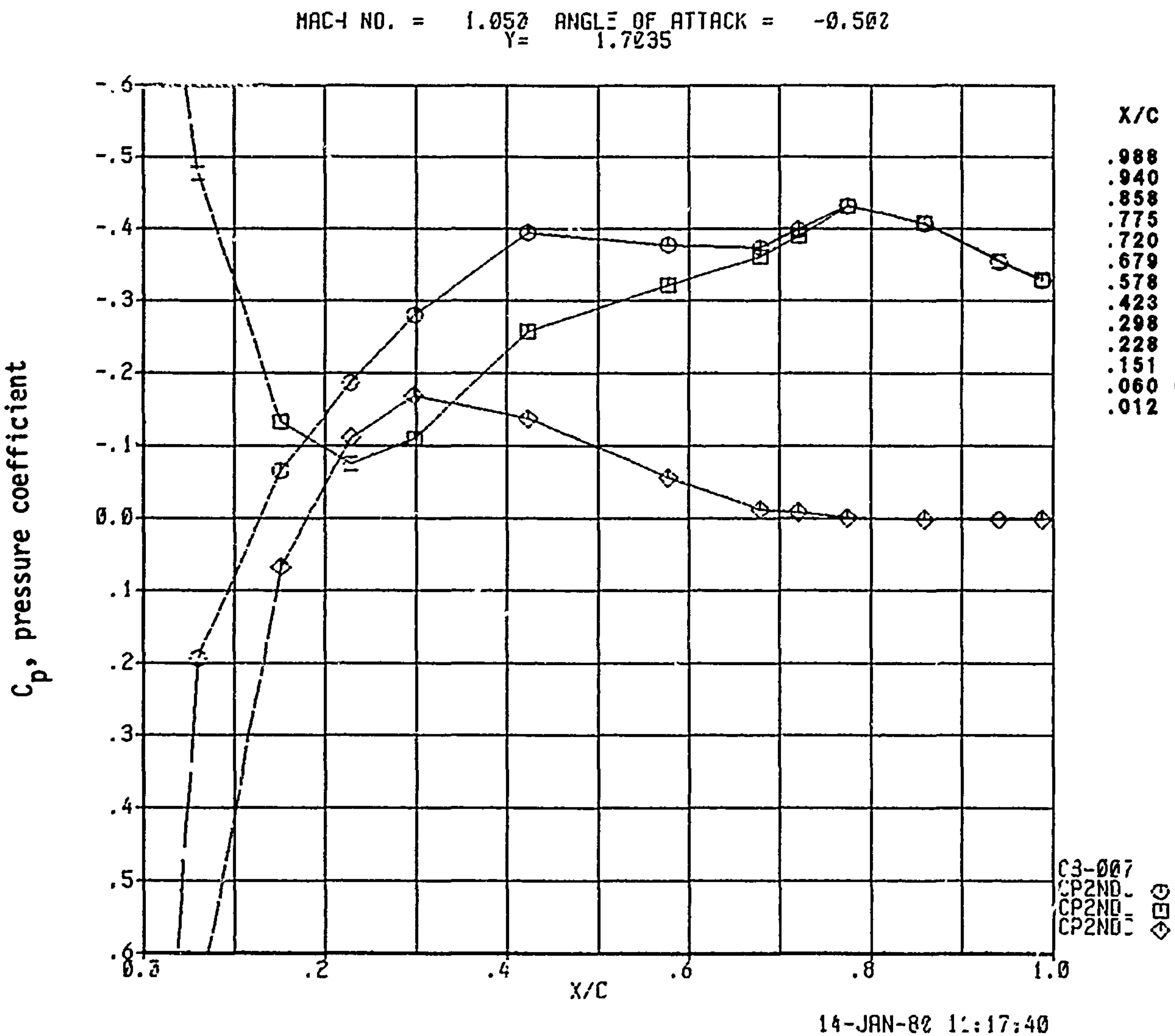

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3336 | -.3234 | -.0103 |
| .940 | -.3590 | -.3490 | -.0100 |
| .858 | -.4120 | -.4016 | -.0104 |
| .775 | -.4363 | -.4243 | -.0119 |
| .720 | -.4017 | -.3850 | -.0167 |
| .679 | -.3759 | -.3562 | -.0197 |
| .578 | -.3814 | -.3165 | -.0649 |
| .423 | -.4084 | -.2423 | -.1662 |
| .298 | -.3113 | -.0787 | -.2326 |
| .228 | -.2304 | -.0311 | -.1994 |
| .151 | -.1193 | -.0772 | -.0421 |
| .060 | 0.1045 | -.3771 | 0.4816 |
| .012 | 0.8783 | -.6856 | 1.5640 |

Figure 133, Chordwise Pressure Distribution, Steady, Configuration 1



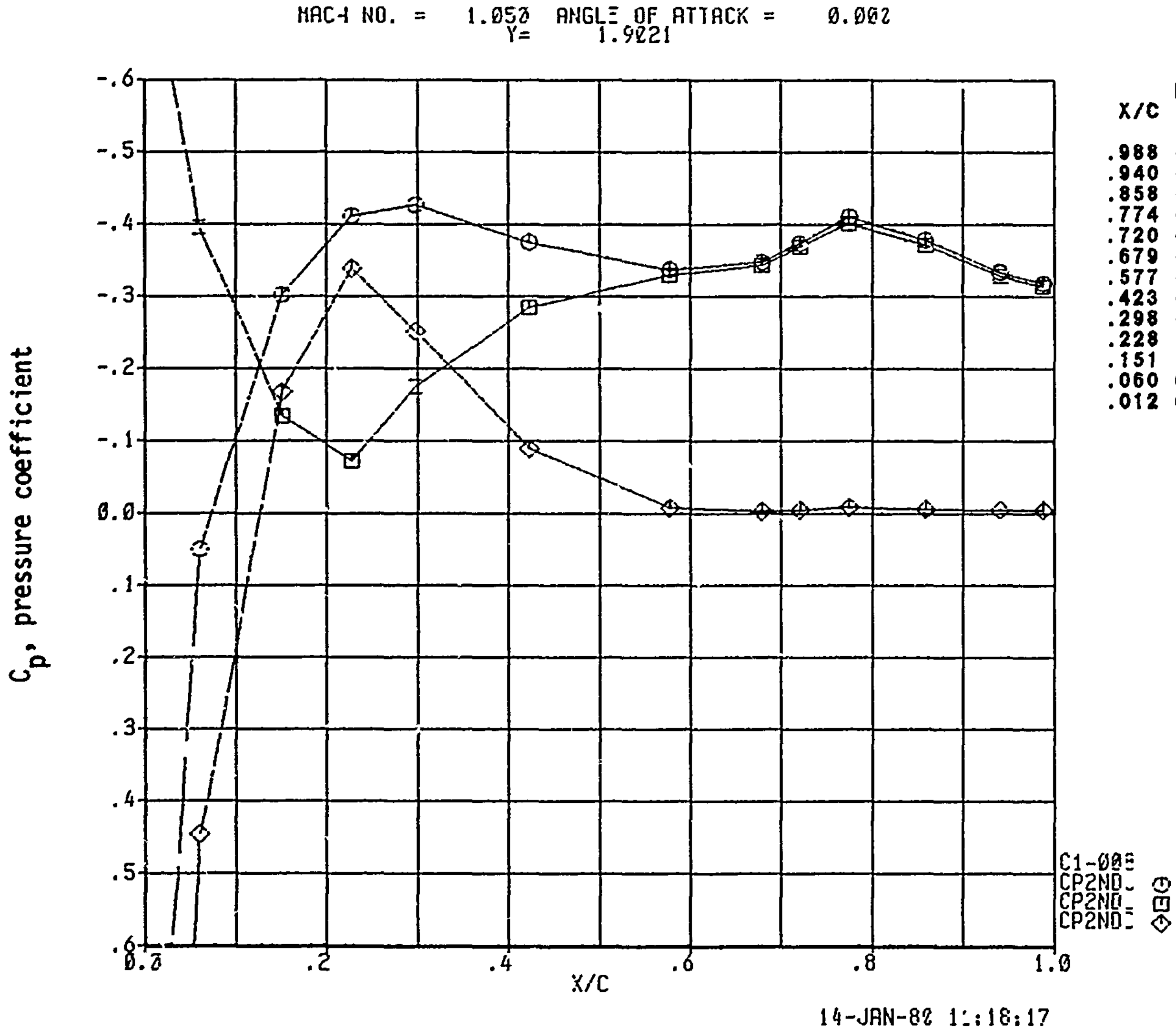

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3397 | -.3180 | -.0217 |
| .940 | -.3650 | -.3435 | -.0216 |
| .858 | -.4179 | -.3962 | -.0217 |
| .775 | -.4419 | -.4193 | -.0226 |
| .720 | -.4063 | -.3809 | -.0254 |
| .679 | -.3799 | -.3526 | -.0273 |
| .578 | -.3861 | -.3121 | -.0739 |
| .423 | -.4230 | -.2278 | -.1951 |
| .298 | -.3431 | -.0471 | -.2960 |
| .228 | -.2742 | 0.0129 | -.2871 |
| .151 | -.1735 | -.0220 | -.1515 |
| .060 | 0.0141 | -.2793 | 0.2935 |
| .012 | 0.7099 | -.4705 | 1.1805 |

Figure 134, Chordwise Pressure Distribution, Steady, Configuration 1



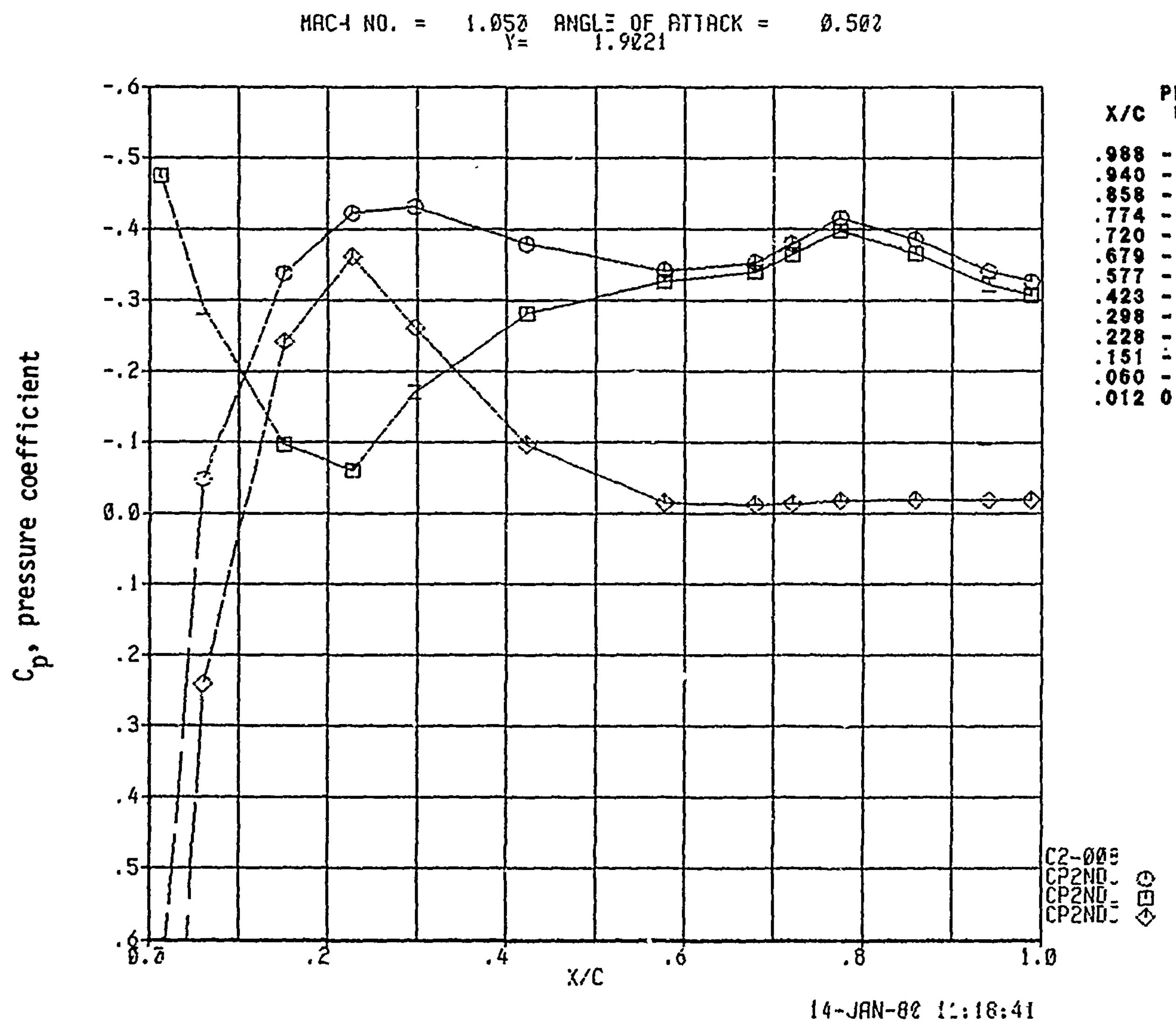

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3283 | -.3294 | 0.0012 |
| .940 | -.3535 | -.3551 | 0.0016 |
| .858 | -.4067 | -.4076 | 0.0009 |
| .775 | -.4312 | -.4301 | -.0012 |
| .720 | -.3978 | -.3897 | -.0082 |
| .679 | -.3725 | -.3603 | -.0121 |
| .578 | -.3773 | -.3215 | -.0559 |
| .423 | -.3945 | -.2571 | -.1373 |
| .298 | -.2799 | -.1108 | -.1691 |
| .228 | -.1870 | -.0755 | -.1116 |
| .151 | -.0658 | -.1330 | 0.0672 |
| .060 | 0.1934 | -.4762 | 0.6697 |
| .012 | 1.0408 | -.9067 | 1.9475 |

Figure 135, Chordwise Pressure Distribution, Steady, Configuration 1



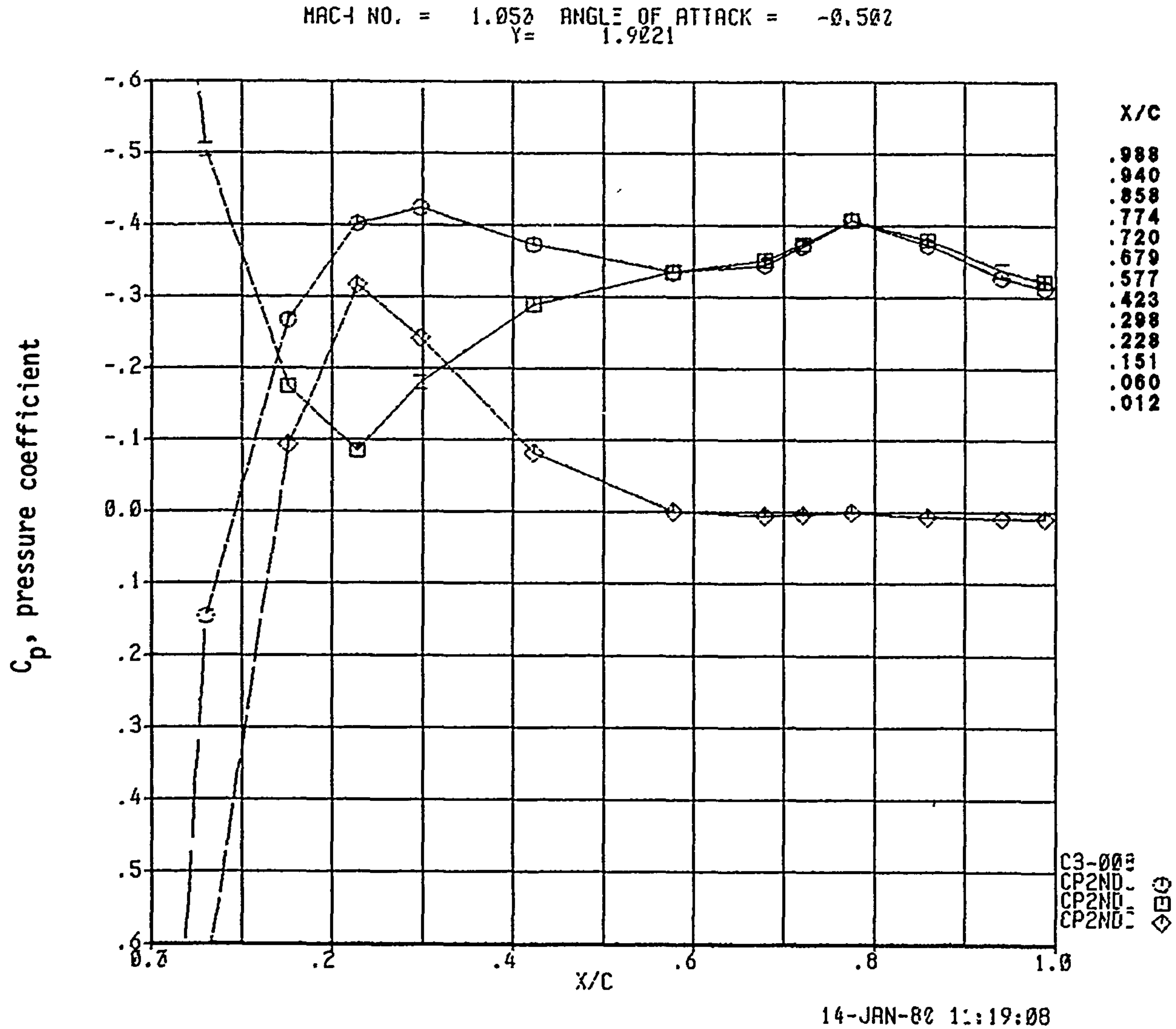

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3183 | -.3135 | -.0049 |
| .940 | -.3331 | -.3283 | -.0049 |
| .858 | -.3776 | -.3713 | -.0063 |
| .774 | -.4101 | -.4011 | -.0091 |
| .720 | -.3733 | -.3680 | -.0053 |
| .679 | -.3477 | -.3441 | -.0036 |
| .577 | -.3367 | -.3292 | -.0076 |
| .423 | -.3746 | -.2850 | -.0896 |
| .298 | -.4262 | -.1745 | -.2517 |
| .228 | -.4112 | -.0723 | -.3389 |
| .151 | -.3021 | -.1350 | -.1670 |
| .060 | 0.0496 | -.3957 | 0.4453 |
| .012 | 0.8940 | -.7308 | 1.6247 |

Figure 136, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3265 | -.3069 | -.0197 |
| .940 | -.3411 | -.3219 | -.0192 |
| .858 | -.3851 | -.3654 | -.0197 |
| .774 | -.4157 | -.3971 | -.0186 |
| .720 | -.3784 | -.3642 | -.0142 |
| .679 | -.3530 | -.3401 | -.0130 |
| .577 | -.3413 | -.3259 | -.0153 |
| .423 | -.3788 | -.2817 | -.0971 |
| .298 | -.4308 | -.1698 | -.2610 |
| .228 | -.4220 | -.0608 | -.3611 |
| .151 | -.3381 | -.0967 | -.2413 |
| .060 | -.0485 | -.2893 | 0.2408 |
| .012 | 0.6933 | -.4744 | 1.1678 |

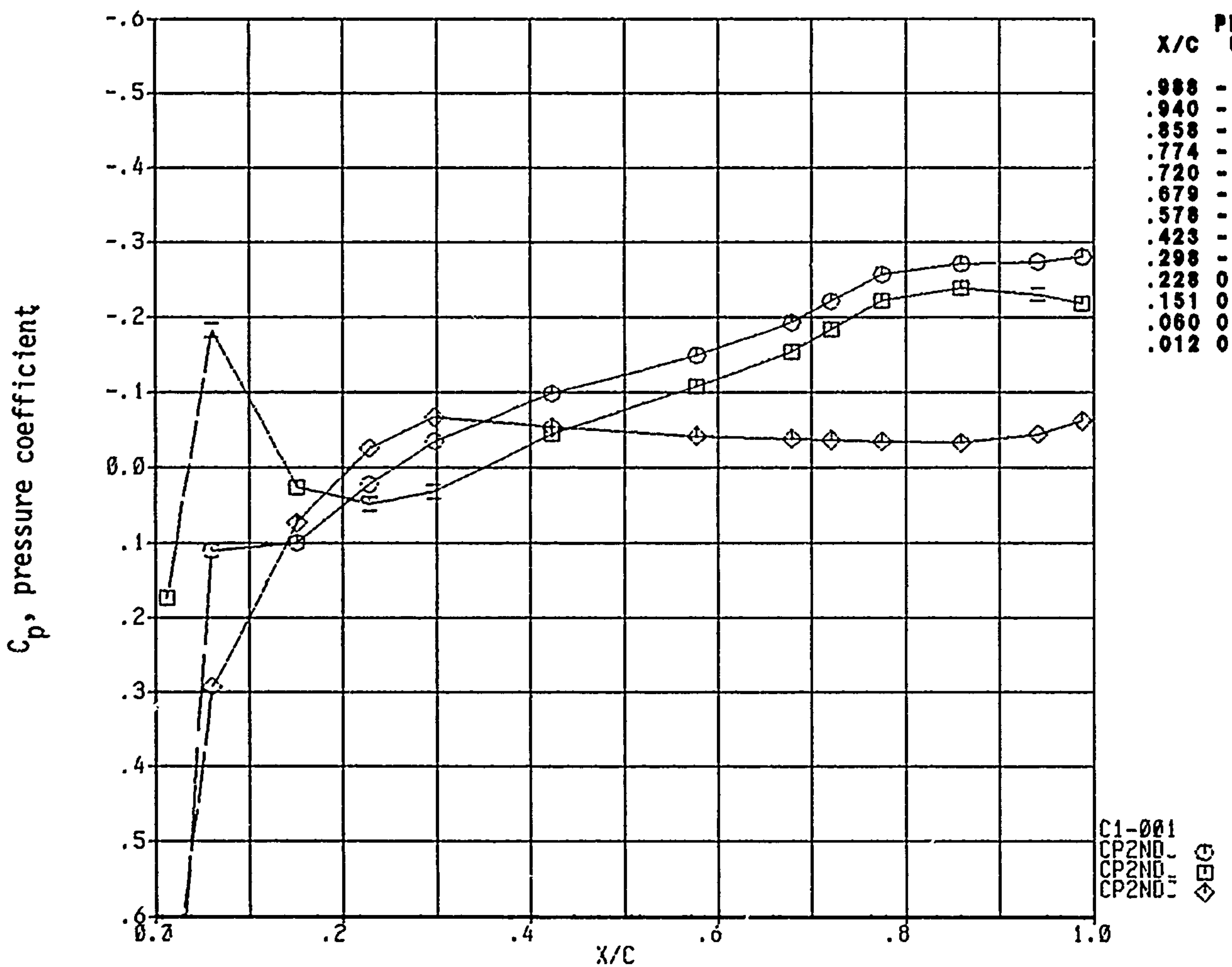
Figure 137, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3119 | -.3218 | 0.0098 |
| .940 | -.3269 | -.3364 | 0.0094 |
| .858 | -.3719 | -.3790 | 0.0070 |
| .774 | -.4064 | -.4068 | 0.0005 |
| .720 | -.3698 | -.3734 | 0.0036 |
| .679 | -.3440 | -.3498 | 0.0058 |
| .577 | -.3338 | -.3341 | 0.0002 |
| .423 | -.3721 | -.2900 | -.0820 |
| .298 | -.4230 | -.1806 | -.2424 |
| .228 | -.4017 | -.0849 | -.3167 |
| .151 | -.2672 | -.1744 | -.0928 |
| .060 | 0.1461 | -.5039 | 0.6499 |
| .012 | 1.0862 | -.9953 | 2.0816 |

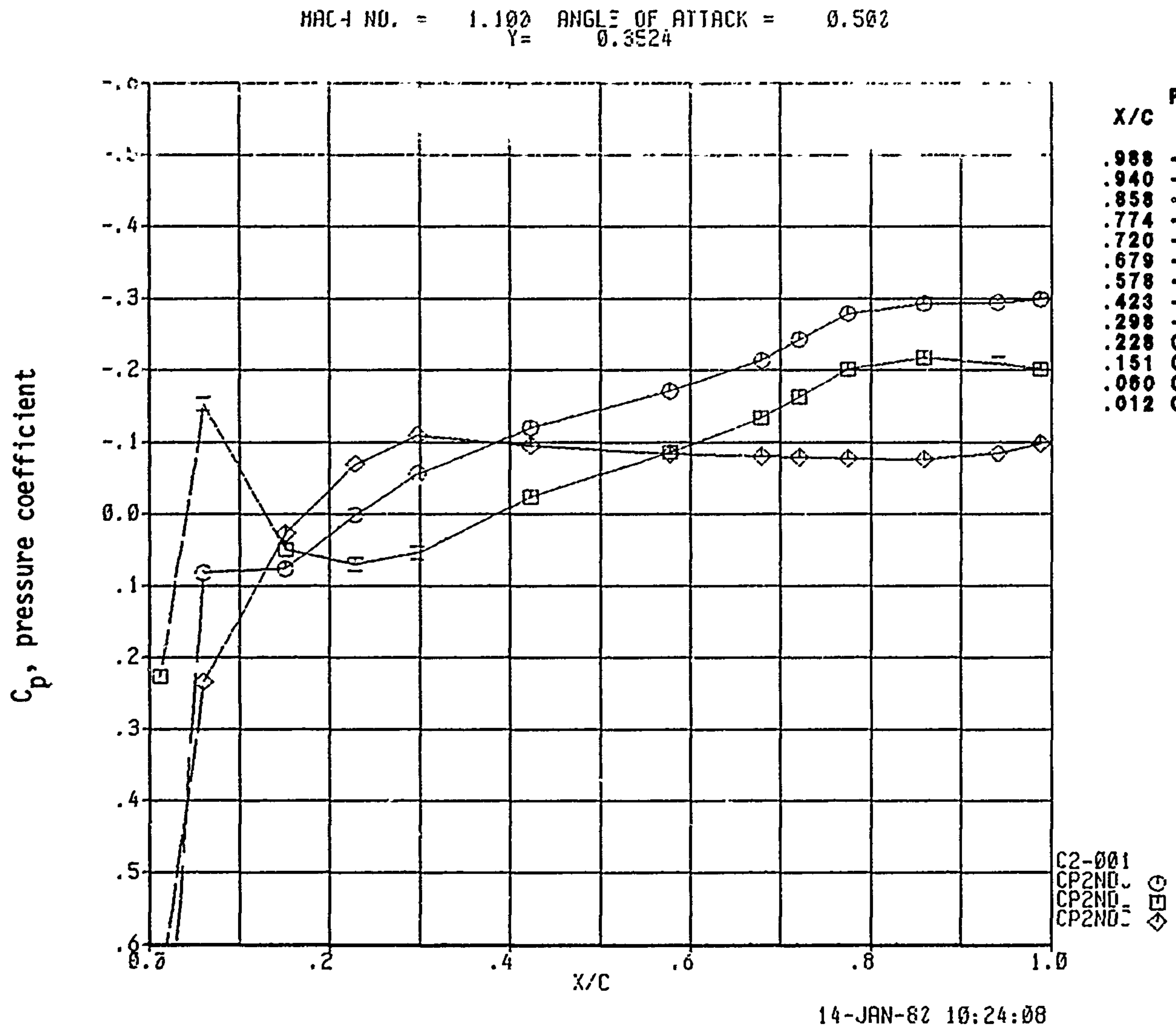
Figure 138, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.100 ANGLE OF ATTACK = 0.002
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2804 | -.2189 | -.0615 |
| .940 | -.2738 | -.2301 | -.0437 |
| .858 | -.2712 | -.2384 | -.0328 |
| .774 | -.2569 | -.2224 | -.0346 |
| .720 | -.2214 | -.1845 | -.0368 |
| .679 | -.1922 | -.1539 | -.0382 |
| .578 | -.1494 | -.1075 | -.0418 |
| .423 | -.0983 | -.0447 | -.0536 |
| .298 | -.0346 | 0.0322 | -.0668 |
| .228 | 0.0223 | 0.0483 | -.0260 |
| .151 | 0.0989 | 0.0262 | 0.0727 |
| .060 | 0.1099 | -.1824 | 0.2923 |
| .012 | 0.9356 | 0.1736 | 0.7621 |

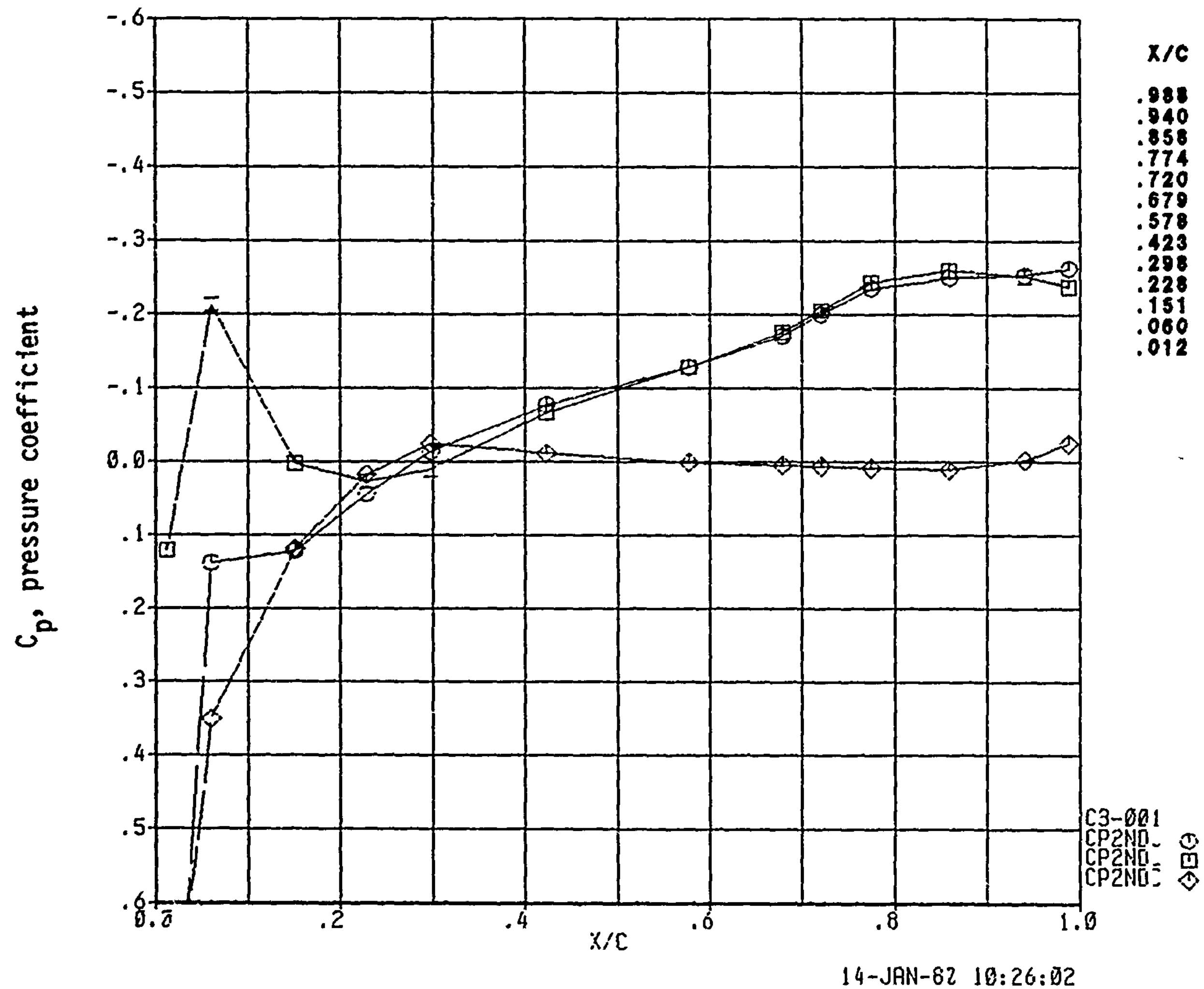
Figure 139, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2985 | -.2007 | -.0978 |
| .940 | -.2944 | -.2095 | -.0850 |
| .858 | -.2929 | -.2167 | -.0762 |
| .774 | -.2783 | -.2010 | -.0773 |
| .720 | -.2426 | -.1634 | -.0792 |
| .679 | -.2133 | -.1328 | -.0805 |
| .578 | -.1705 | -.0864 | -.0840 |
| .423 | -.1195 | -.0236 | -.0959 |
| .298 | -.0558 | 0.0535 | -.1094 |
| .228 | 0.0009 | 0.0700 | -.0690 |
| .151 | 0.0763 | 0.0497 | 0.0266 |
| .060 | 0.0816 | -.1524 | 0.2340 |
| .012 | 0.8882 | 0.2265 | 0.6616 |

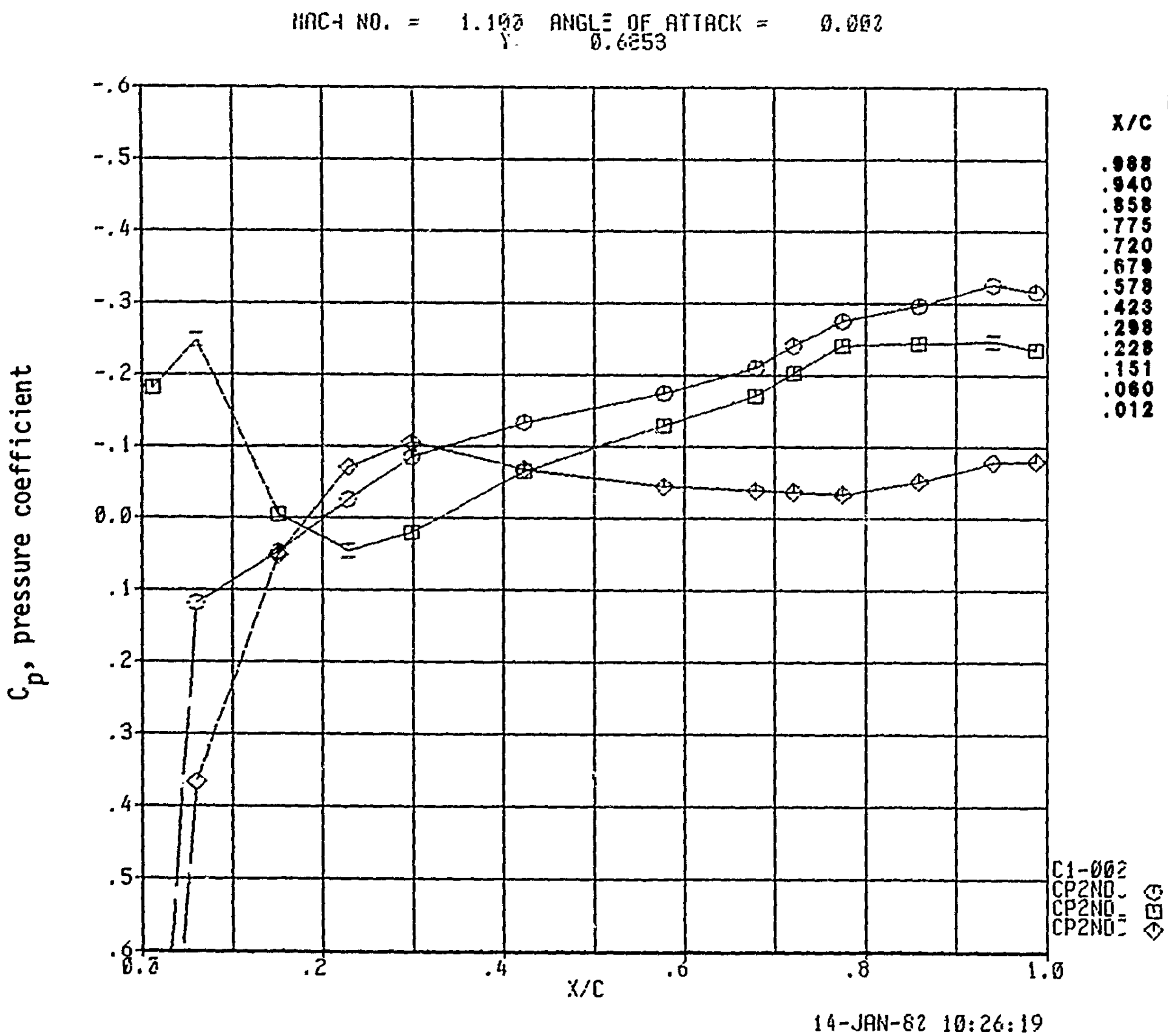
Figure 140, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. - 1.103 ANGLE OF ATTACK = -0.502
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2623 | -.2372 | -.0251 |
| .940 | -.2533 | -.2508 | -.0025 |
| .858 | -.2496 | -.2602 | 0.0107 |
| .774 | -.2357 | -.2438 | 0.0082 |
| .720 | -.2003 | -.2059 | 0.0056 |
| .679 | -.1712 | -.1752 | 0.0040 |
| .578 | -.1284 | -.1287 | 0.0003 |
| .423 | -.0773 | -.0660 | -.0113 |
| .298 | -.0135 | 0.0107 | -.0242 |
| .228 | 0.0435 | 0.0264 | 0.0171 |
| .151 | 0.1214 | 0.0026 | 0.1189 |
| .060 | 0.1381 | -.2126 | 0.3507 |
| .012 | 0.9828 | 0.1203 | 0.8624 |

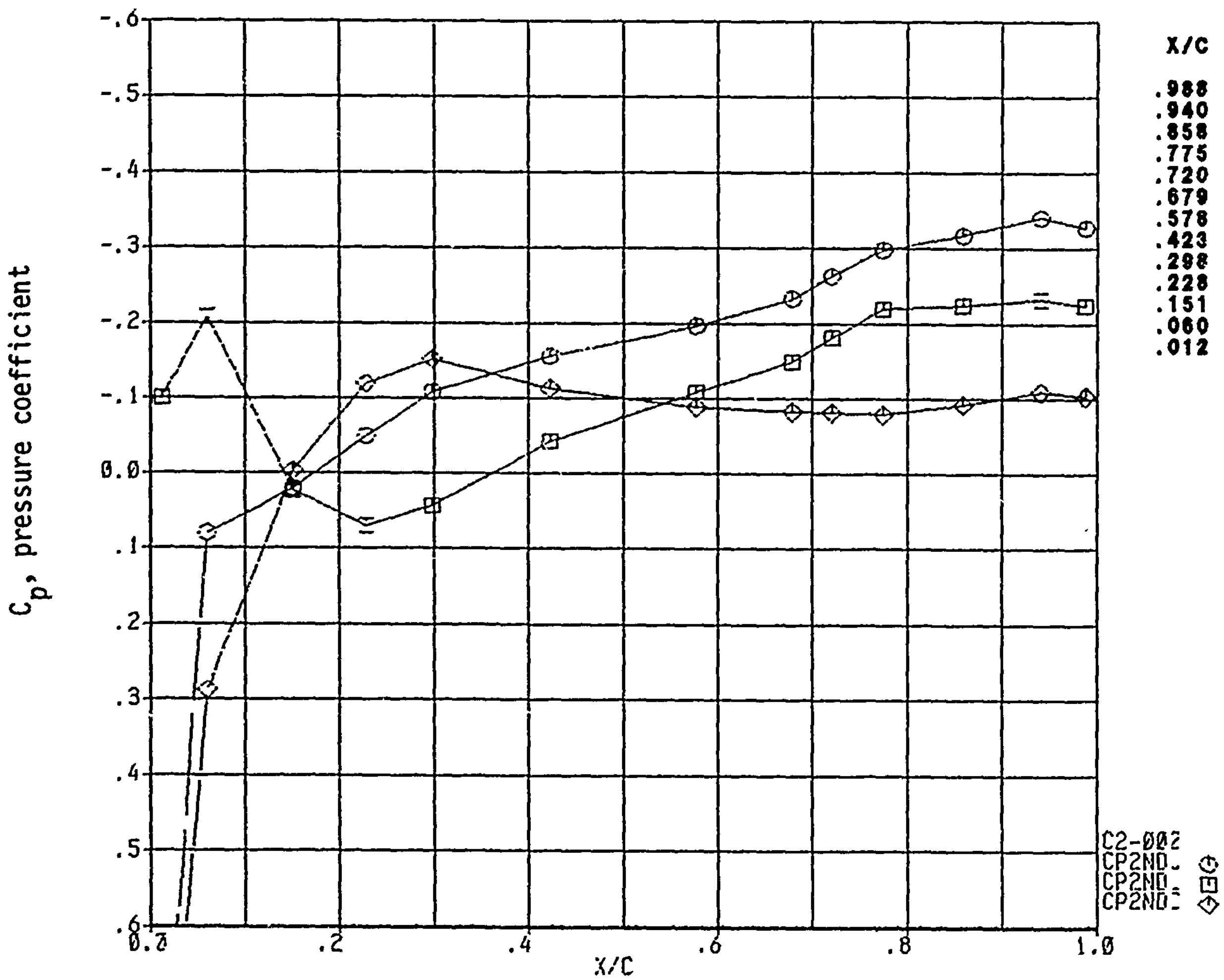
Figure 141 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3156 | -.2358 | -.0797 |
| .940 | -.3260 | -.2474 | -.0785 |
| .858 | -.2964 | -.2442 | -.0521 |
| .775 | -.2753 | -.2414 | -.0339 |
| .720 | -.2408 | -.2037 | -.0371 |
| .679 | -.2102 | -.1715 | -.0388 |
| .578 | -.1746 | -.1304 | -.0442 |
| .423 | -.1338 | -.0654 | -.0684 |
| .298 | -.0849 | 0.0208 | -.1057 |
| .228 | -.0255 | 0.0455 | -.0709 |
| .151 | 0.0476 | -.0043 | 0.0519 |
| .060 | 0.1182 | -.2487 | 0.3668 |
| .012 | 0.9103 | -.1813 | 1.0916 |

Figure 142, Chordwise Pressure Distribution, Steady, Configuration 1

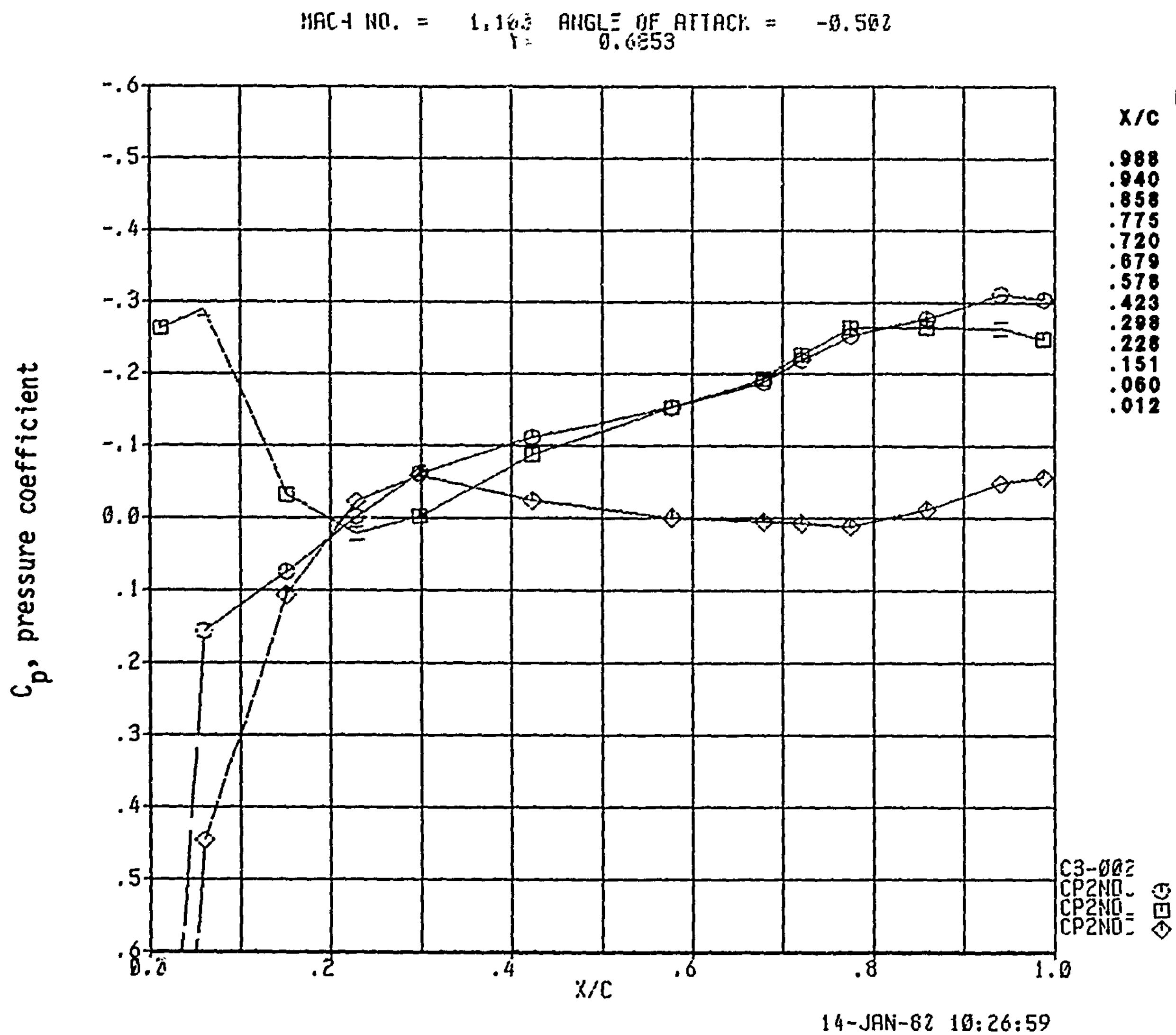
MACH NO. = 1.100 ANGLE OF ATTACK = 0.502
Y= 0.6253




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3273 | -.2240 | -.1033 |
| .940 | -.3411 | -.2321 | -.1089 |
| .858 | -.3166 | -.2240 | -.0925 |
| .775 | -.2977 | -.2190 | -.0787 |
| .720 | -.2628 | -.1817 | -.0811 |
| .679 | -.2322 | -.1495 | -.0827 |
| .578 | -.1966 | -.1084 | -.0882 |
| .423 | -.1563 | -.0429 | -.1133 |
| .298 | -.1080 | 0.0440 | -.1520 |
| .228 | -.0493 | 0.0698 | -.1191 |
| .151 | 0.0207 | 0.0235 | -.0028 |
| .060 | 0.0797 | -.2079 | 0.2876 |
| .012 | 0.8391 | -.1002 | 0.9393 |

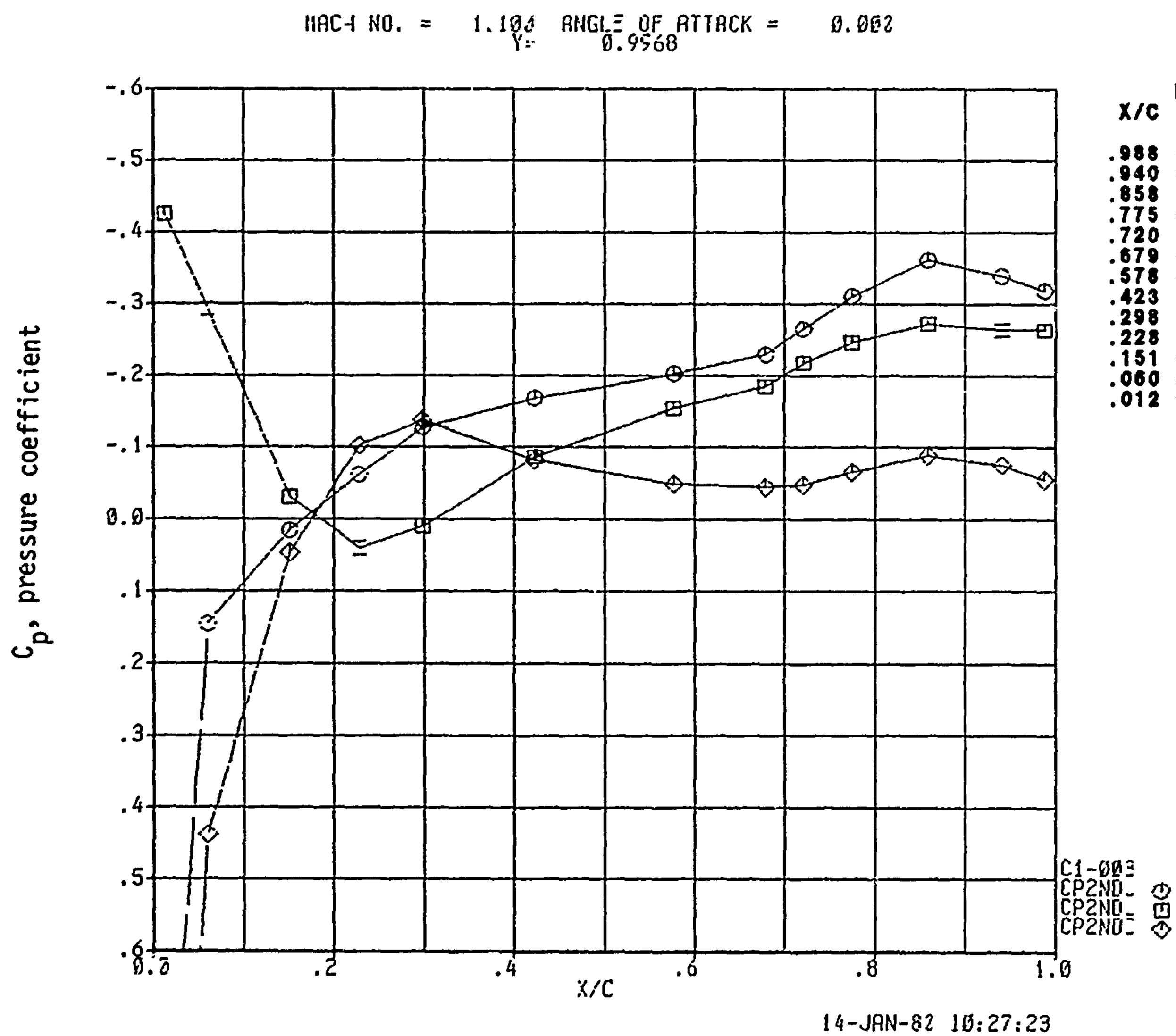
14-JAN-82 10:26:42

Figure 143, Chordwise Pressure Distribution, Steady, Configuration 1



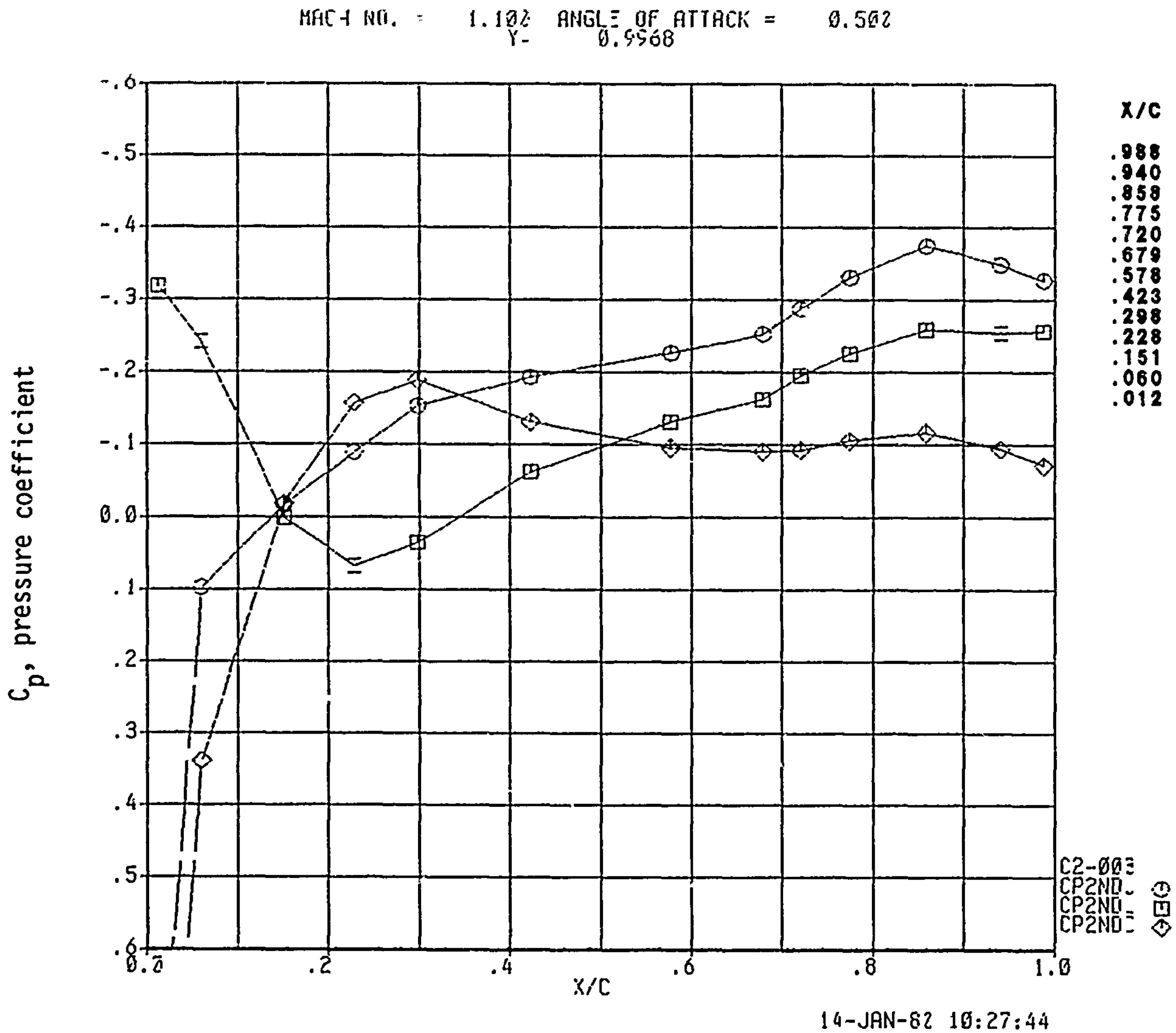

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3040 | -.2478 | -.0562 |
| .940 | -.3109 | -.2628 | -.0482 |
| .858 | -.2763 | -.2646 | -.0117 |
| .775 | -.2529 | -.2639 | 0.0109 |
| .720 | -.2189 | -.2258 | 0.0069 |
| .679 | -.1884 | -.1935 | 0.0051 |
| .578 | -.1527 | -.1525 | -.0002 |
| .423 | -.1114 | -.0880 | -.0235 |
| .298 | -.0619 | -.0027 | -.0593 |
| .228 | -.0017 | 0.0210 | -.0228 |
| .151 | 0.0743 | -.0322 | 0.1066 |
| .060 | 0.1563 | -.2896 | 0.4459 |
| .012 | 0.9809 | -.2631 | 1.2439 |

Figure 144, Chordwise Pressure Distribution, Steady, Configuration 1



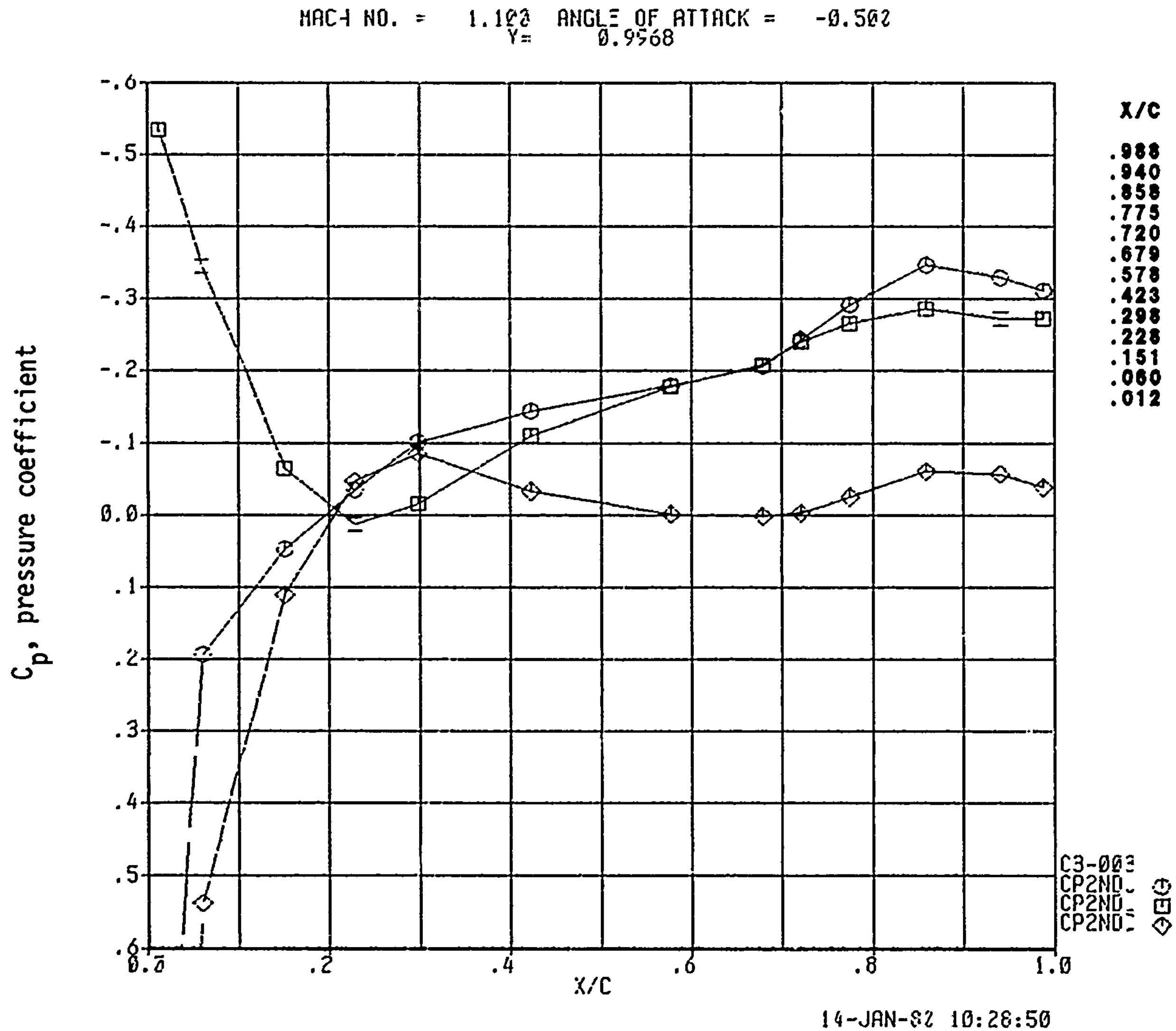

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3188 | -.2638 | -.0550 |
| .940 | -.3386 | -.2634 | -.0752 |
| .858 | -.3604 | -.2719 | -.0885 |
| .775 | -.3108 | -.2453 | -.0654 |
| .720 | -.2652 | -.2177 | -.0476 |
| .679 | -.2292 | -.1847 | -.0445 |
| .578 | -.2027 | -.1542 | -.0484 |
| .423 | -.1683 | -.0863 | -.0820 |
| .298 | -.1268 | 0.0101 | -.1369 |
| .228 | -.0617 | 0.0402 | -.1020 |
| .151 | 0.0150 | -.0312 | 0.0462 |
| .060 | 0.1452 | -.2929 | 0.4380 |
| .012 | 0.9266 | -.4251 | 1.3517 |

Figure 145, Chordwise Pressure Distribution, Steady, Configuration 1



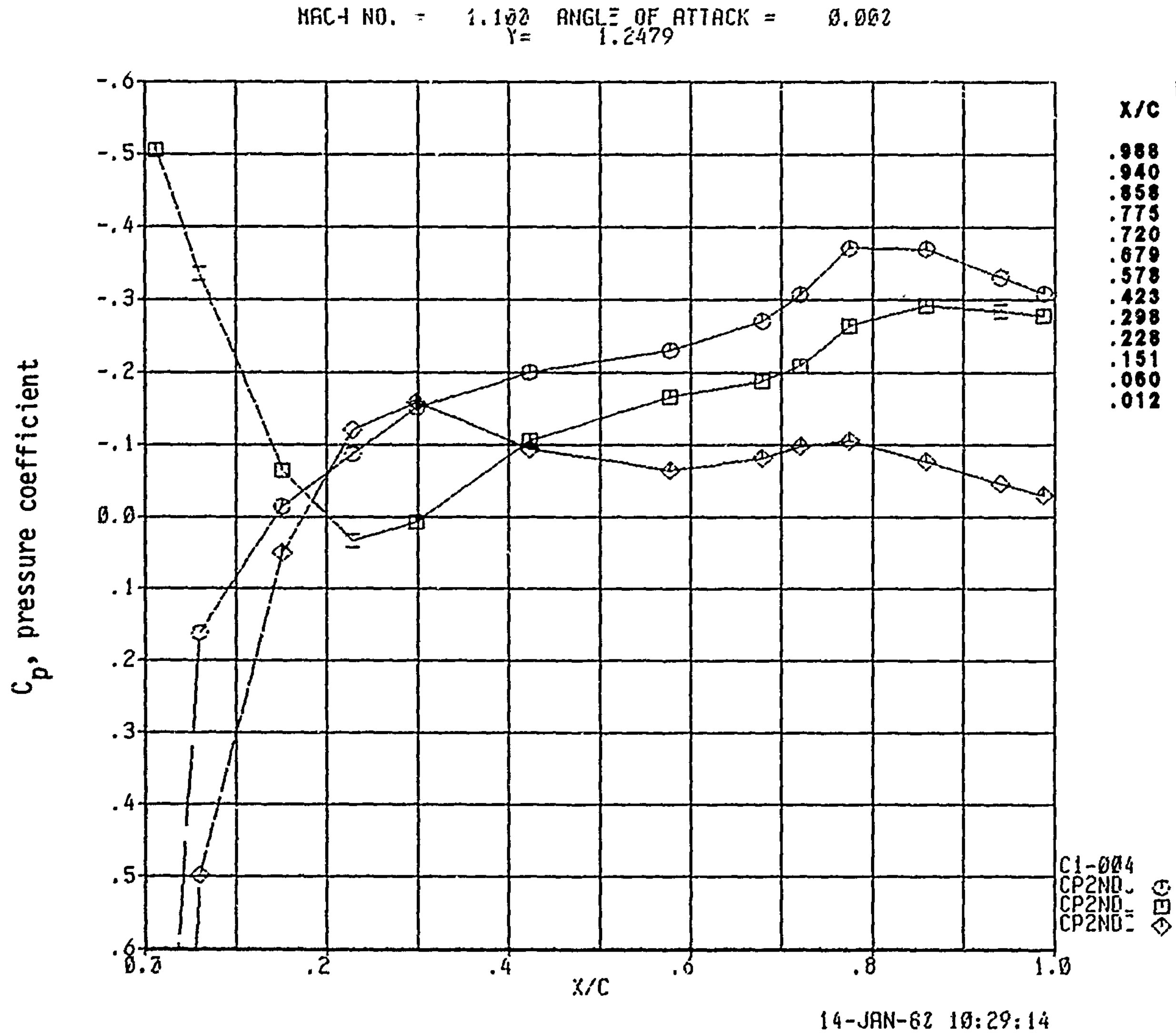

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3268 | -.2559 | -.0709 |
| .940 | -.3479 | -.2541 | -.0937 |
| .858 | -.3742 | -.2579 | -.1163 |
| .775 | -.3309 | -.2252 | -.1058 |
| .720 | -.2875 | -.1953 | -.0922 |
| .679 | -.2521 | -.1618 | -.0904 |
| .578 | -.2262 | -.1307 | -.0955 |
| .423 | -.1927 | -.0618 | -.1309 |
| .298 | -.1525 | 0.0359 | -.1883 |
| .228 | -.0887 | 0.0679 | -.1566 |
| .151 | -.0168 | 0.0015 | -.0183 |
| .060 | 0.0968 | -.2415 | 0.3383 |
| .012 | 0.8339 | -.3177 | 1.1516 |

Figure 146 , Chordwise Pressure Distribution, Steady, Configuration 1



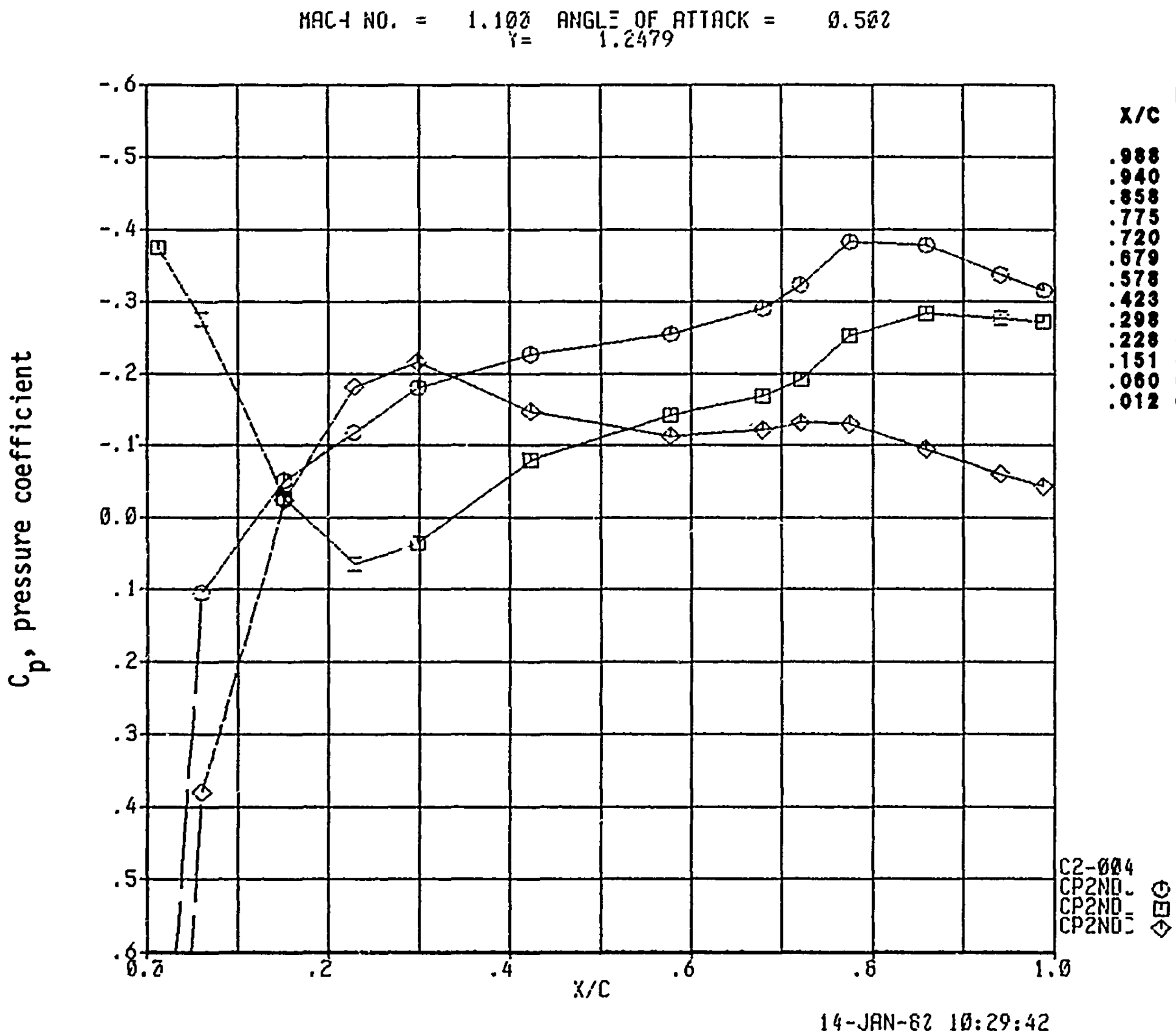

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3110 | -.2720 | -.0390 |
| .940 | -.3295 | -.2729 | -.0566 |
| .858 | -.3467 | -.2861 | -.0607 |
| .775 | -.2908 | -.2657 | -.0251 |
| .720 | -.2430 | -.2401 | -.0028 |
| .679 | -.2063 | -.2078 | 0.0014 |
| .578 | -.1793 | -.1779 | -.0014 |
| .423 | -.1440 | -.1108 | -.0332 |
| .298 | -.1013 | -.0159 | -.0854 |
| .228 | -.0347 | 0.0125 | -.0472 |
| .151 | 0.0465 | -.0641 | 0.1106 |
| .060 | 0.1932 | -.3446 | 0.5377 |
| .012 | 1.0182 | -.5337 | 1.5518 |

Figure 147, Chordwise Pressure Distribution, Steady, Configuration 1



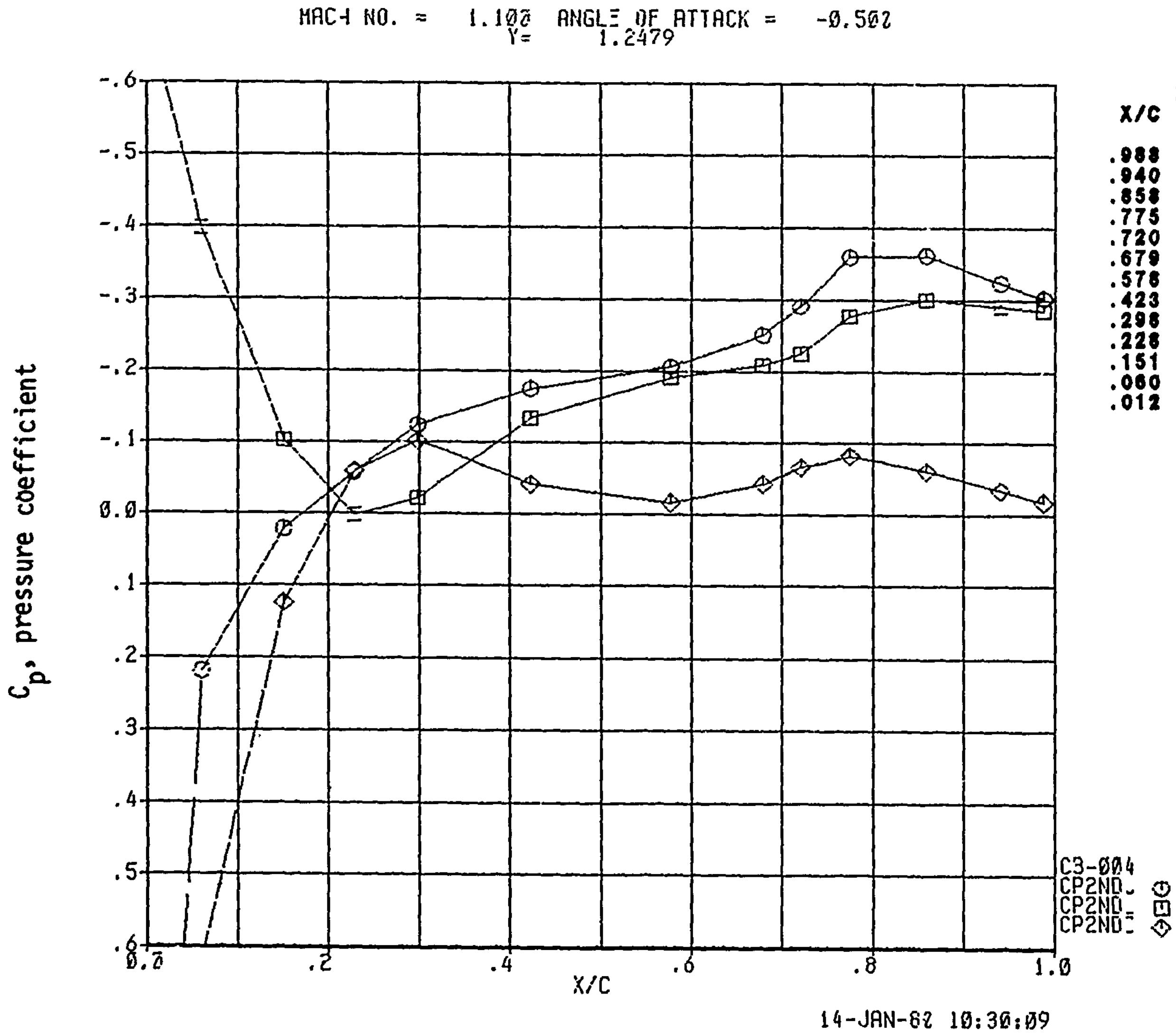

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3087 | -.2784 | -.0303 |
| .940 | -.3303 | -.2837 | -.0466 |
| .858 | -.3692 | -.2918 | -.0773 |
| .775 | -.3708 | -.2648 | -.1059 |
| .720 | -.3067 | -.2084 | -.0982 |
| .679 | -.2704 | -.1886 | -.0818 |
| .578 | -.2307 | -.1661 | -.0646 |
| .423 | -.2000 | -.1061 | -.0940 |
| .298 | -.1517 | 0.0073 | -.1590 |
| .228 | -.0873 | 0.0333 | -.1206 |
| .151 | -.0144 | -.0643 | 0.0499 |
| .060 | 0.1618 | -.3361 | 0.4979 |
| .012 | 1.0395 | -.5053 | 1.5449 |

Figure 148, Chordwise Pressure Distribution, Steady, Configuration 1



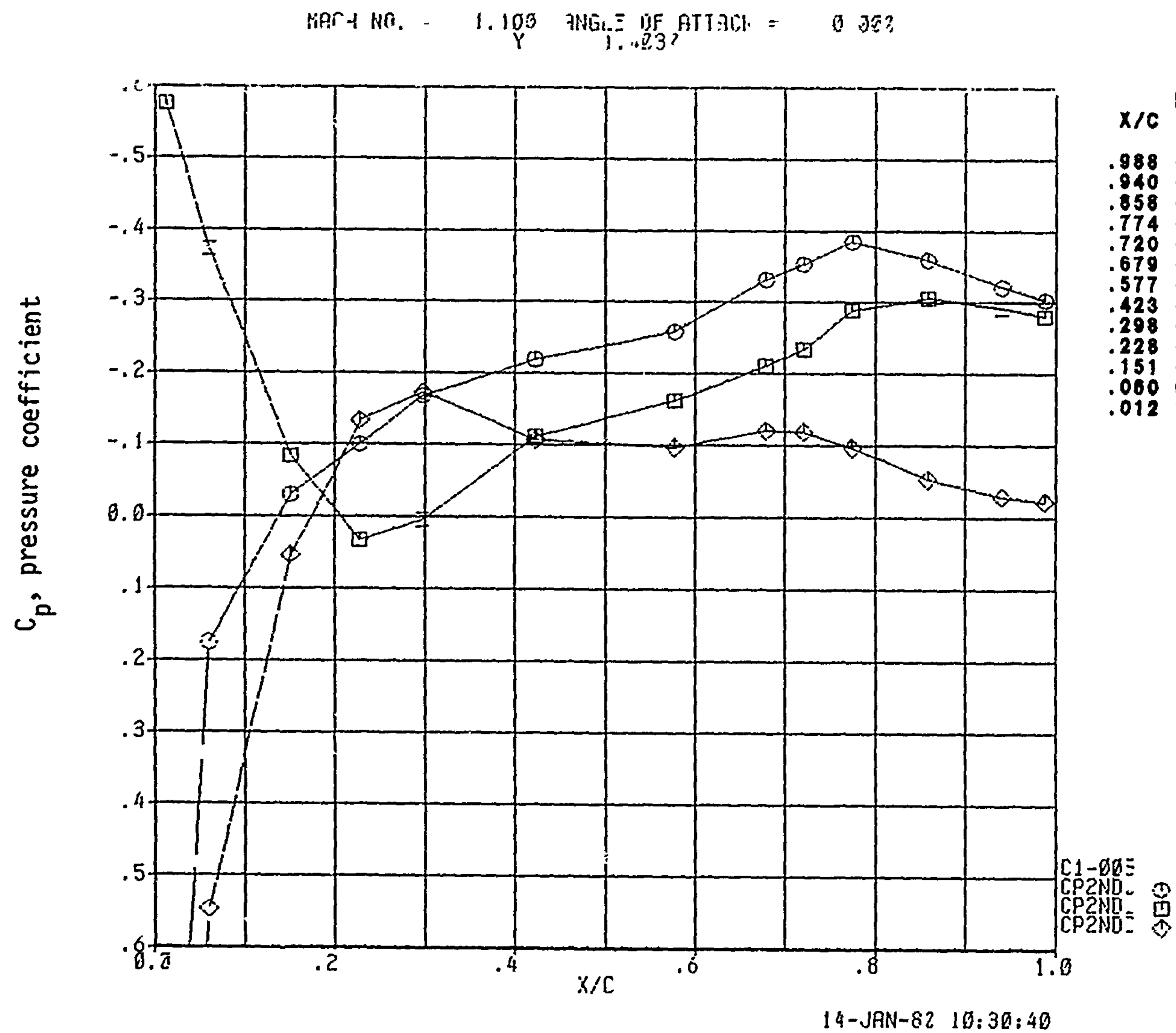

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3155 | -.2718 | -.0436 |
| .940 | -.3372 | -.2769 | -.0603 |
| .858 | -.3776 | -.2834 | -.0942 |
| .775 | -.3825 | -.2528 | -.1298 |
| .720 | -.3232 | -.1916 | -.1316 |
| .679 | -.2902 | -.1686 | -.1217 |
| .578 | -.2548 | -.1419 | -.1129 |
| .423 | -.2266 | -.0794 | -.1473 |
| .298 | -.1802 | 0.0359 | -.2160 |
| .228 | -.1176 | 0.0642 | -.1818 |
| .151 | -.0509 | -.0268 | -.0240 |
| .060 | 0.1047 | -.2752 | 0.3798 |
| .012 | 0.9285 | -.3748 | 1.3033 |

Figure 149, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3023 | -.2853 | -.0170 |
| .940 | -.3238 | -.2908 | -.0330 |
| .858 | -.3610 | -.3006 | -.0604 |
| .775 | -.3591 | -.2771 | -.0820 |
| .720 | -.2903 | -.2253 | -.0650 |
| .679 | -.2507 | -.2088 | -.0419 |
| .578 | -.2067 | -.1904 | -.0164 |
| .423 | -.1735 | -.1328 | -.0407 |
| .298 | -.1235 | -.0215 | -.1020 |
| .228 | -.0569 | 0.0023 | -.0592 |
| .151 | 0.0218 | -.1019 | 0.1236 |
| .060 | 0.2187 | -.3974 | 0.6161 |
| .012 | 1.1491 | -.6374 | 1.7865 |

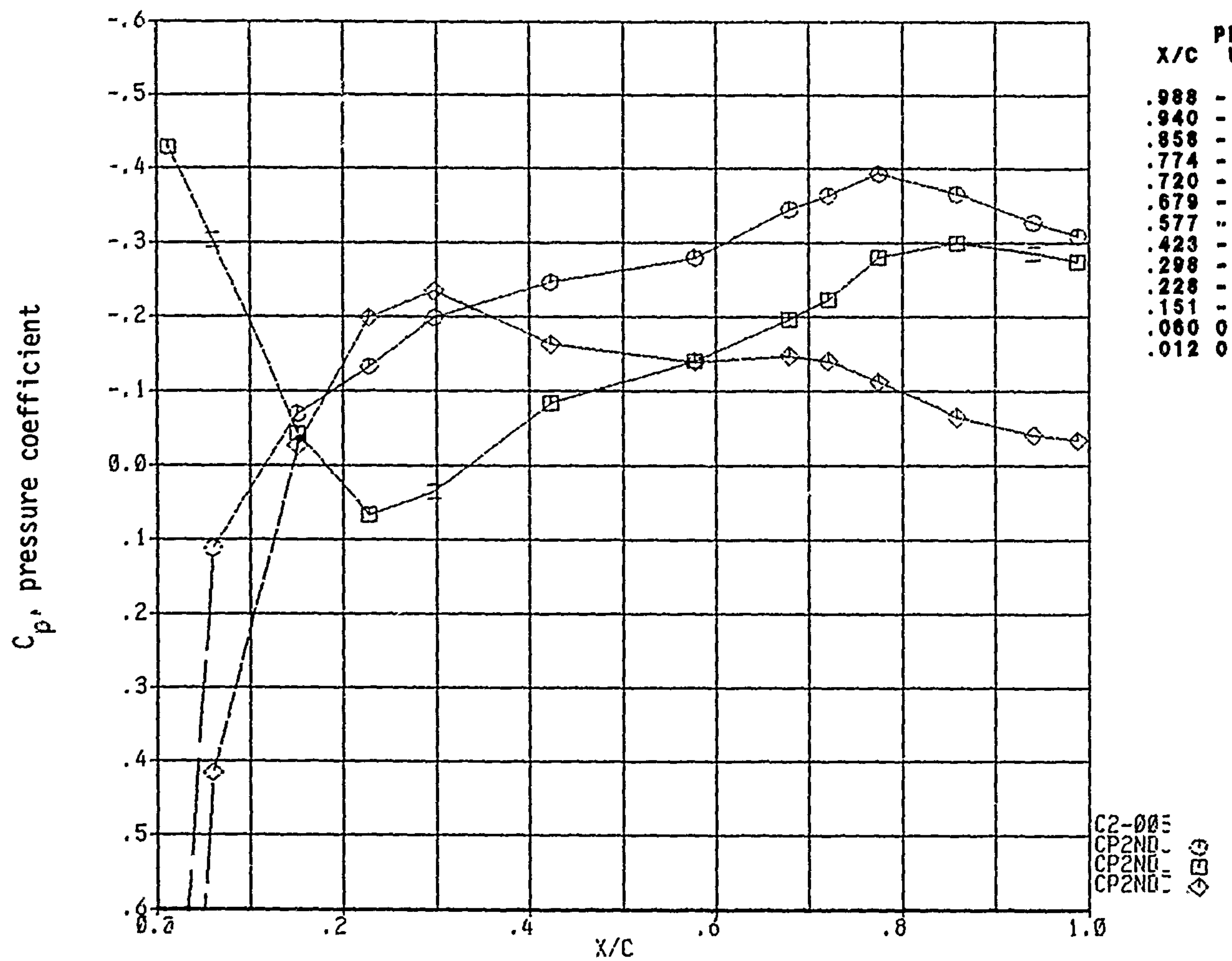
Figure 150, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3028 | -.2806 | -.0222 |
| .940 | -.3214 | -.2919 | -.0295 |
| .858 | -.3588 | -.3058 | -.0530 |
| .774 | -.3848 | -.2882 | -.0965 |
| .720 | -.3523 | -.2334 | -.1189 |
| .679 | -.3309 | -.2106 | -.1203 |
| .577 | -.2579 | -.1615 | -.0964 |
| .423 | -.2184 | -.1116 | -.1068 |
| .298 | -.1677 | 0.0050 | -.1727 |
| .228 | -.0996 | 0.0334 | -.1330 |
| .151 | -.0297 | -.0833 | 0.0535 |
| .060 | 0.1753 | -.3718 | 0.5472 |
| .012 | 1.0946 | -.5758 | 1.6704 |

Figure 151, Chordwise Pressure Distribution, Steady, Configuration 1

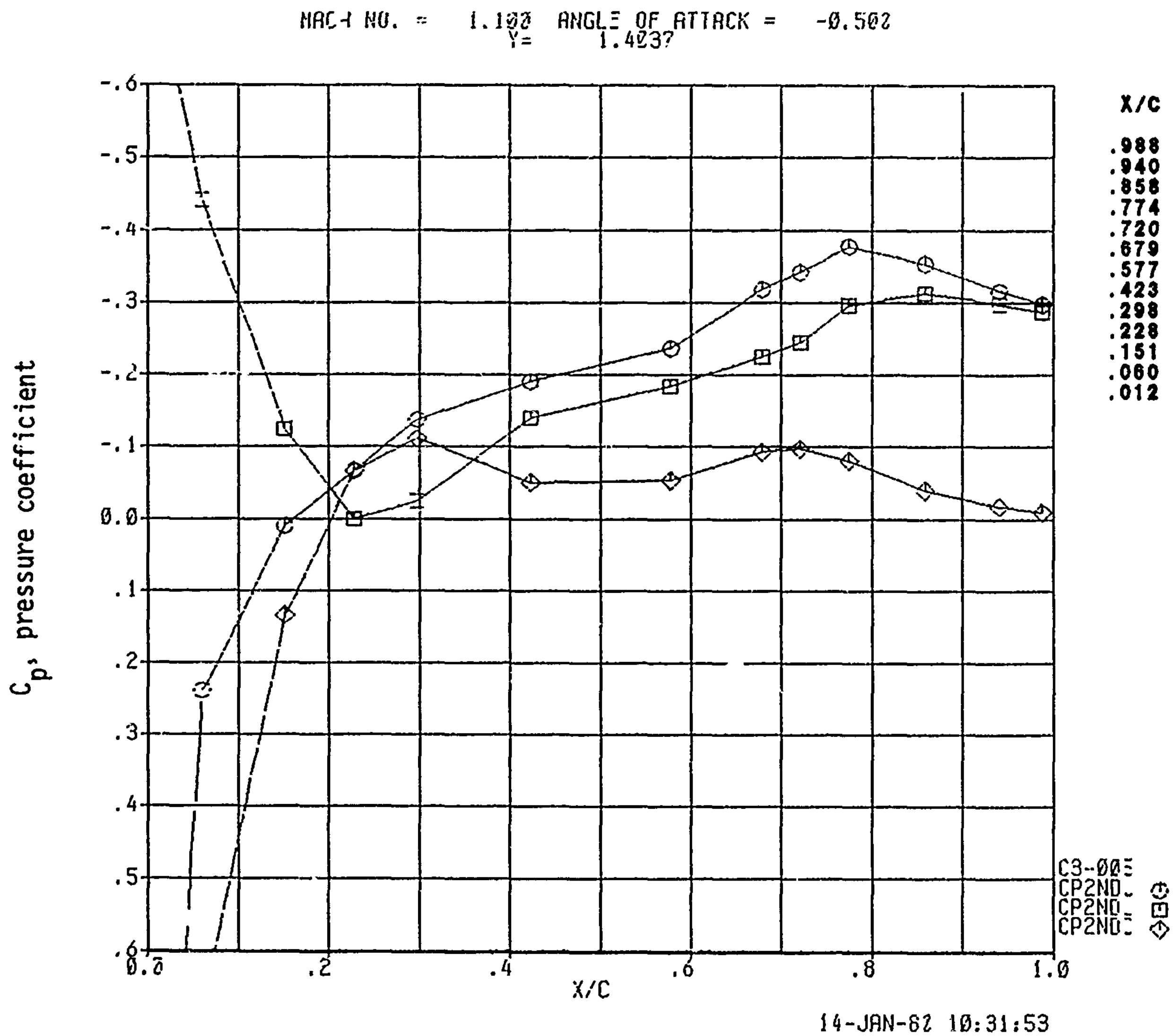
MACH NO. = 1.103 ANGLE OF ATTACK = 0.502
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3089 | -.2748 | -.0341 |
| .940 | -.3275 | -.2861 | -.0415 |
| .858 | -.3651 | -.2996 | -.0655 |
| .774 | -.3924 | -.2805 | -.1119 |
| .720 | -.3629 | -.2225 | -.1405 |
| .679 | -.3445 | -.1968 | -.1477 |
| .577 | -.2795 | -.1398 | -.1396 |
| .423 | -.2464 | -.0836 | -.1628 |
| .298 | -.1984 | 0.0359 | -.2343 |
| .228 | -.1322 | 0.0665 | -.1986 |
| .151 | -.0695 | -.0425 | -.0269 |
| .060 | 0.1114 | -.3037 | 0.4151 |
| .012 | 0.9707 | -.4288 | 1.3996 |

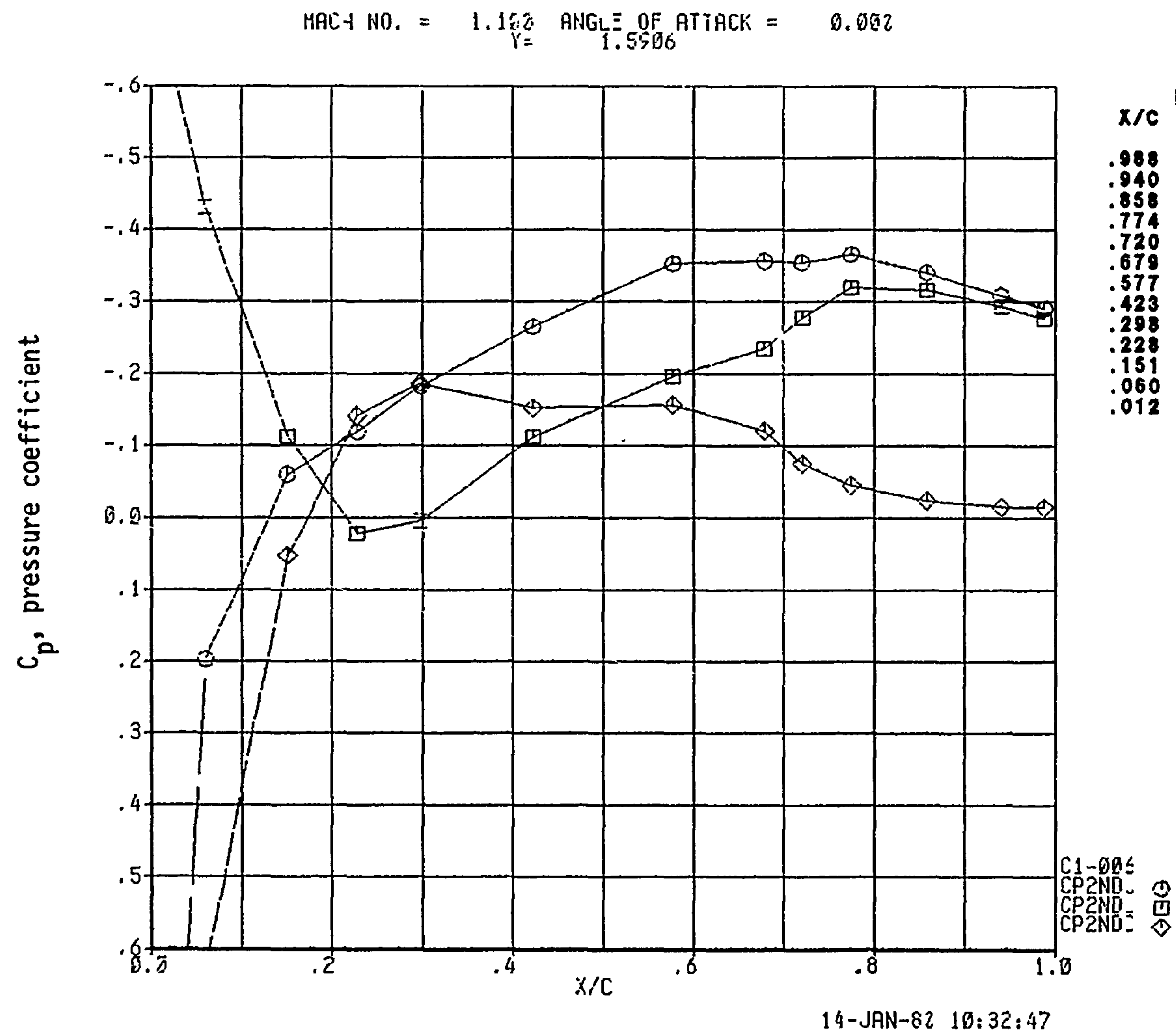
14-JAN-82 10:31:14

Figure 152, Chordwise Pressure Distribution, Steady, Configuration 1



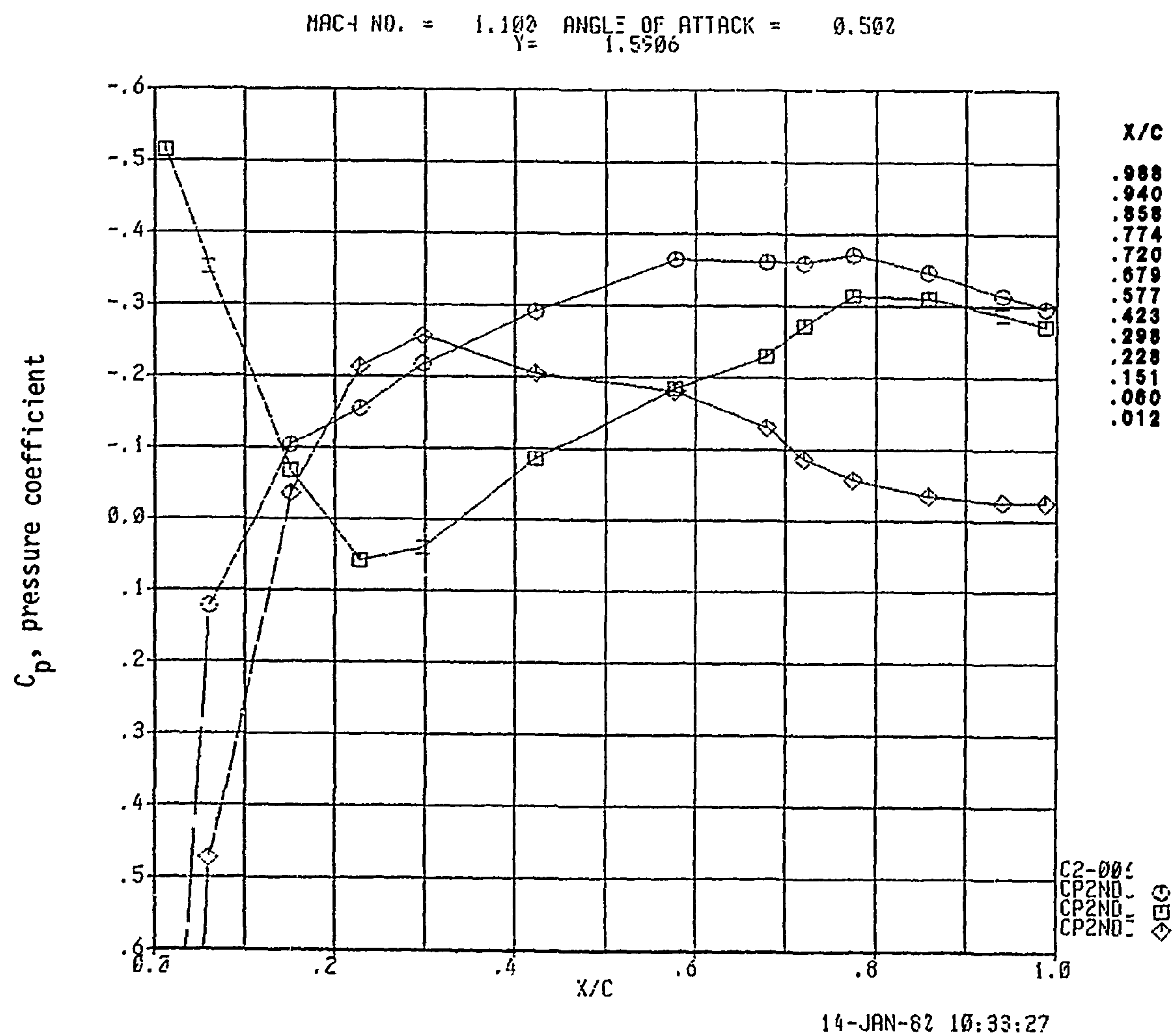

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2971 | -.2868 | -.010? |
| .940 | -.3157 | -.2982 | -.017? |
| .858 | -.3529 | -.3124 | -.0405 |
| .774 | -.3774 | -.2964 | -.0810 |
| .720 | -.3420 | -.2445 | -.0975 |
| .679 | -.3176 | -.2247 | -.0930 |
| .577 | -.2366 | -.1833 | -.0533 |
| .423 | -.1906 | -.1398 | -.0508 |
| .298 | -.1372 | -.0260 | -.1112 |
| .228 | -.0671 | 0.0002 | -.0673 |
| .151 | 0.0097 | -.1243 | 0.1340 |
| .060 | 0.2388 | -.4404 | 0.6792 |
| .012 | 1.2166 | -.7246 | 1.9412 |

Figure 153, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2906 | -.2761 | -.0145 |
| .940 | -.3081 | -.2927 | -.0153 |
| .858 | -.3404 | -.3160 | -.0244 |
| .774 | -.3653 | -.3194 | -.0459 |
| .720 | -.3539 | -.2784 | -.0755 |
| .679 | -.3558 | -.2348 | -.1210 |
| .577 | -.3527 | -.1962 | -.1565 |
| .423 | -.2650 | -.1124 | -.1525 |
| .298 | -.1822 | 0.0042 | -.1864 |
| .228 | -.1193 | 0.0219 | -.1412 |
| .151 | -.0603 | -.1130 | 0.0526 |
| .060 | 0.1967 | -.4303 | 0.6270 |
| .012 | 1.1501 | -.6840 | 1.8341 |

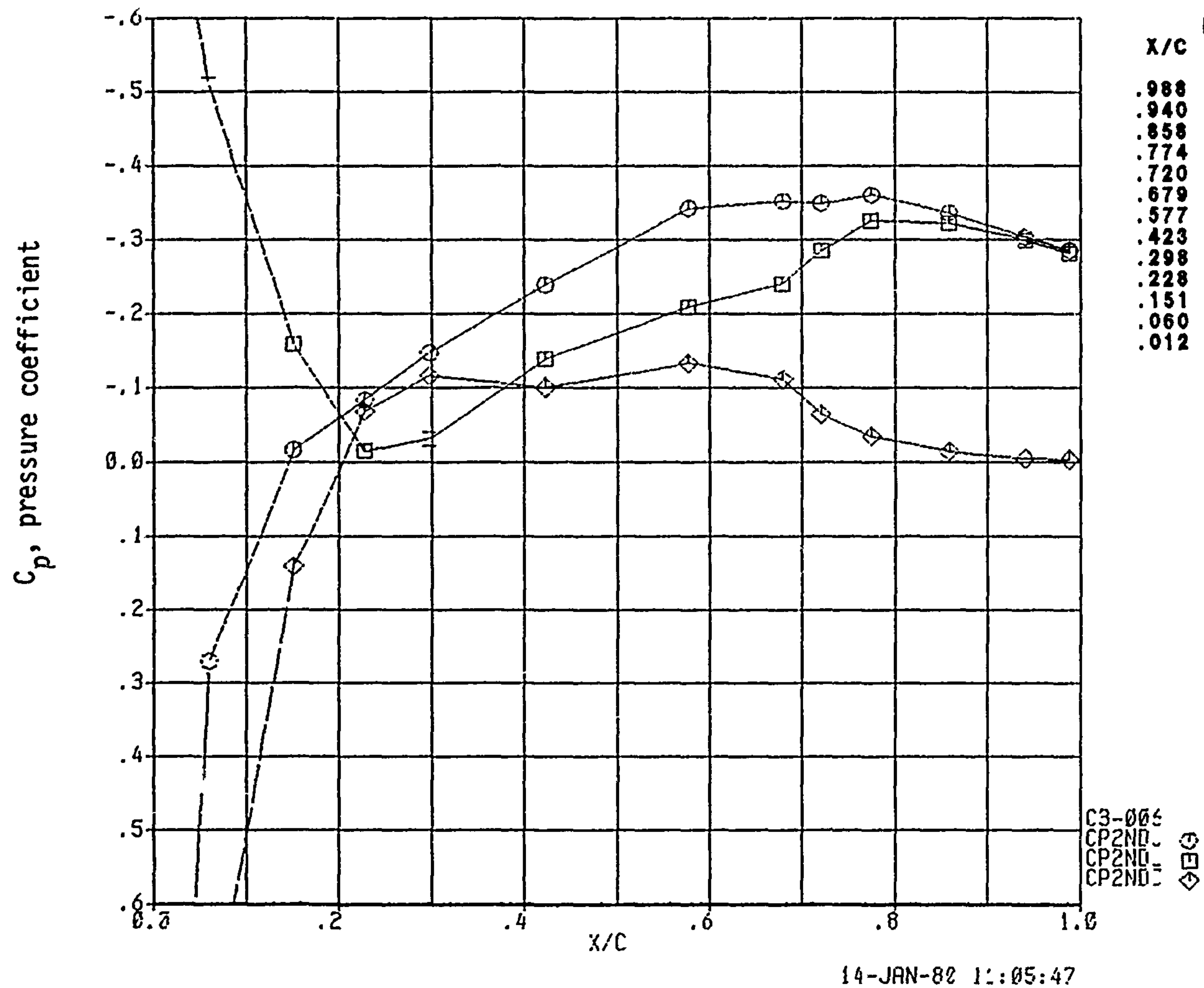
Figure 154, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2961 | -.2709 | -.0253 |
| .940 | -.3135 | -.2876 | -.0259 |
| .858 | -.3458 | -.3108 | -.0350 |
| .774 | -.3708 | -.3139 | -.0569 |
| .720 | -.3593 | -.2728 | -.0866 |
| .679 | -.3606 | -.2299 | -.1308 |
| .577 | -.3643 | -.1841 | -.1803 |
| .423 | -.2912 | -.0860 | -.2053 |
| .298 | -.2175 | 0.0397 | -.2571 |
| .228 | -.1555 | 0.0585 | -.2141 |
| .151 | -.1041 | -.0680 | -.0360 |
| .060 | 0.1224 | -.3510 | 0.4734 |
| .012 | 1.0086 | -.5142 | 1.5227 |

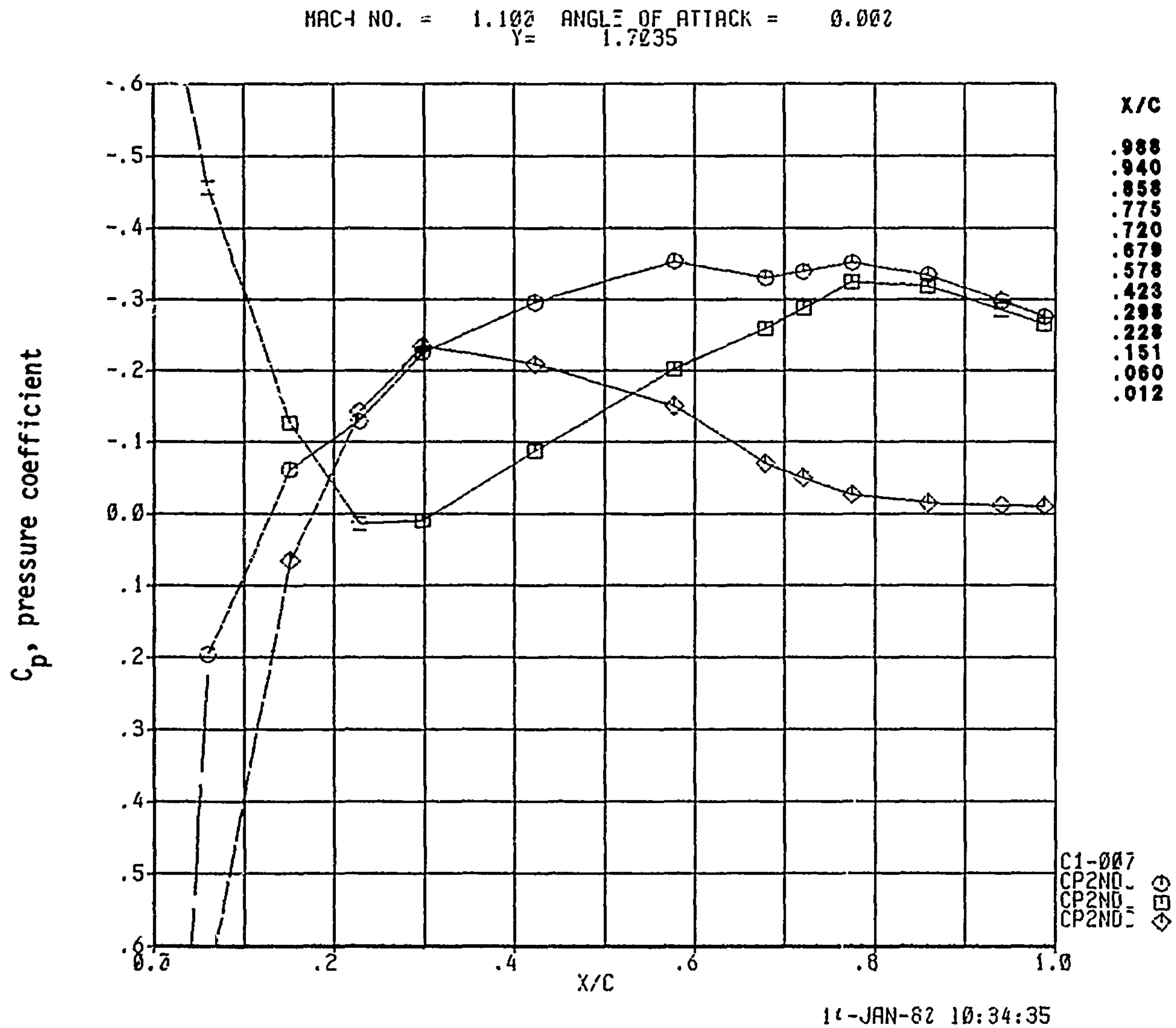
Figure 155, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.102 ANGLE OF ATTACK = -0.502
Y= 1.5506



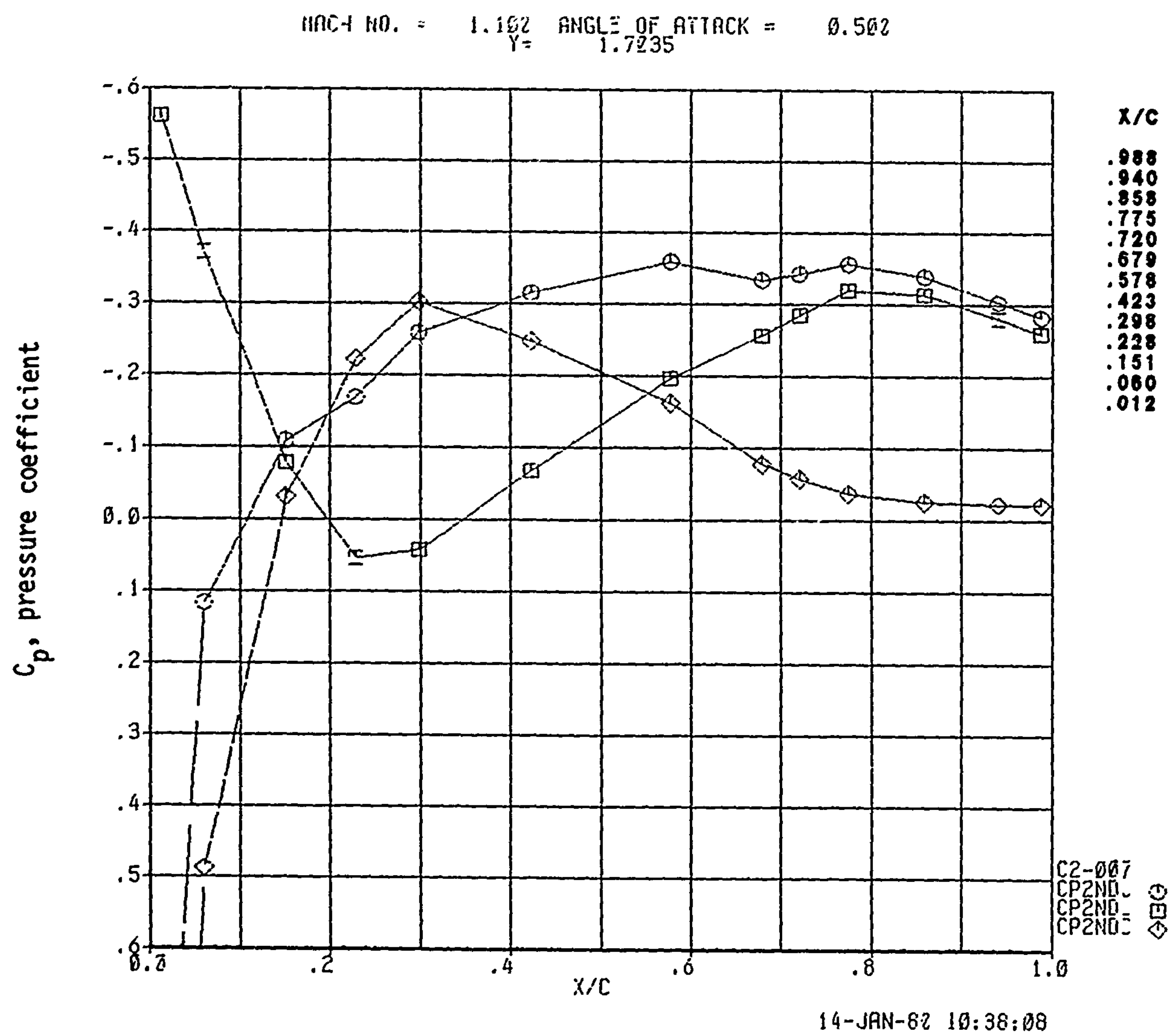

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2855 | -.2818 | -.0037 |
| .940 | -.3031 | -.2984 | -.0047 |
| .858 | -.3355 | -.3216 | -.0139 |
| .774 | -.3602 | -.3254 | -.0348 |
| .720 | -.3487 | -.2844 | -.0643 |
| .679 | -.3515 | -.2402 | -.1112 |
| .577 | -.3414 | -.2085 | -.1328 |
| .423 | -.2389 | -.1391 | -.0998 |
| .298 | -.1470 | -.0315 | -.1156 |
| .228 | -.0834 | -.0150 | -.0684 |
| .151 | -.0169 | -.1581 | 0.1412 |
| .060 | 0.2704 | -.5102 | 0.7806 |
| .012 | 1.2891 | -.8562 | 2.1454 |

Figure 156, Chordwise Pressure Distribution, Steady, Configuration 1




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.2764 | -.2657 | -.0107 |
| .940 | -.2978 | -.2857 | -.0121 |
| .858 | -.3334 | -.3183 | -.0151 |
| .775 | -.3508 | -.3239 | -.0270 |
| .720 | -.3383 | -.2883 | -.0500 |
| .679 | -.3297 | -.2596 | -.0701 |
| .578 | -.3529 | -.2025 | -.1504 |
| .423 | -.2959 | -.0873 | -.2086 |
| .298 | -.2252 | 0.0091 | -.2342 |
| .228 | -.1292 | 0.0136 | -.1427 |
| .151 | -.0613 | -.1266 | 0.0654 |
| .060 | 0.1960 | -.4559 | 0.6519 |
| .012 | 1.1934 | -.7474 | 1.9409 |

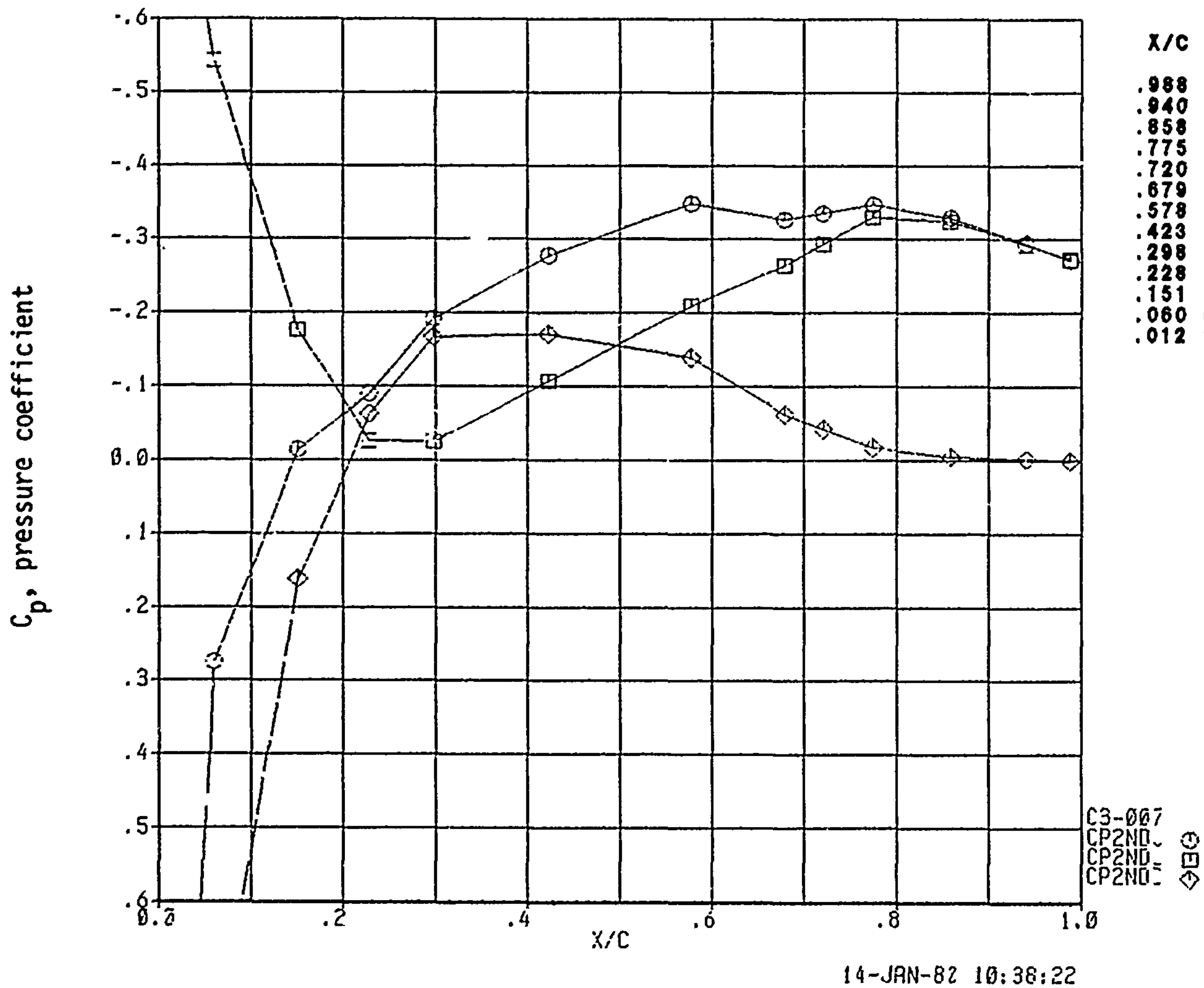
Figure 157, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2821 | -.2603 | -.0218 |
| .940 | -.3030 | -.2809 | -.0222 |
| .858 | -.3388 | -.3133 | -.0255 |
| .775 | -.3558 | -.3190 | -.0368 |
| .720 | -.3422 | -.2846 | -.0575 |
| .679 | -.3334 | -.2559 | -.0776 |
| .578 | -.3586 | -.1967 | -.1620 |
| .423 | -.3148 | -.0679 | -.2469 |
| .298 | -.2588 | 0.043[illegible] | -.3019 |
| .228 | -.1687 | 0.0538 | -.2224 |
| .151 | -.1088 | -.0778 | -.0310 |
| .060 | 0.1166 | -.3707 | 0.4872 |
| .012 | 1.0401 | -.5615 | 1.6016 |

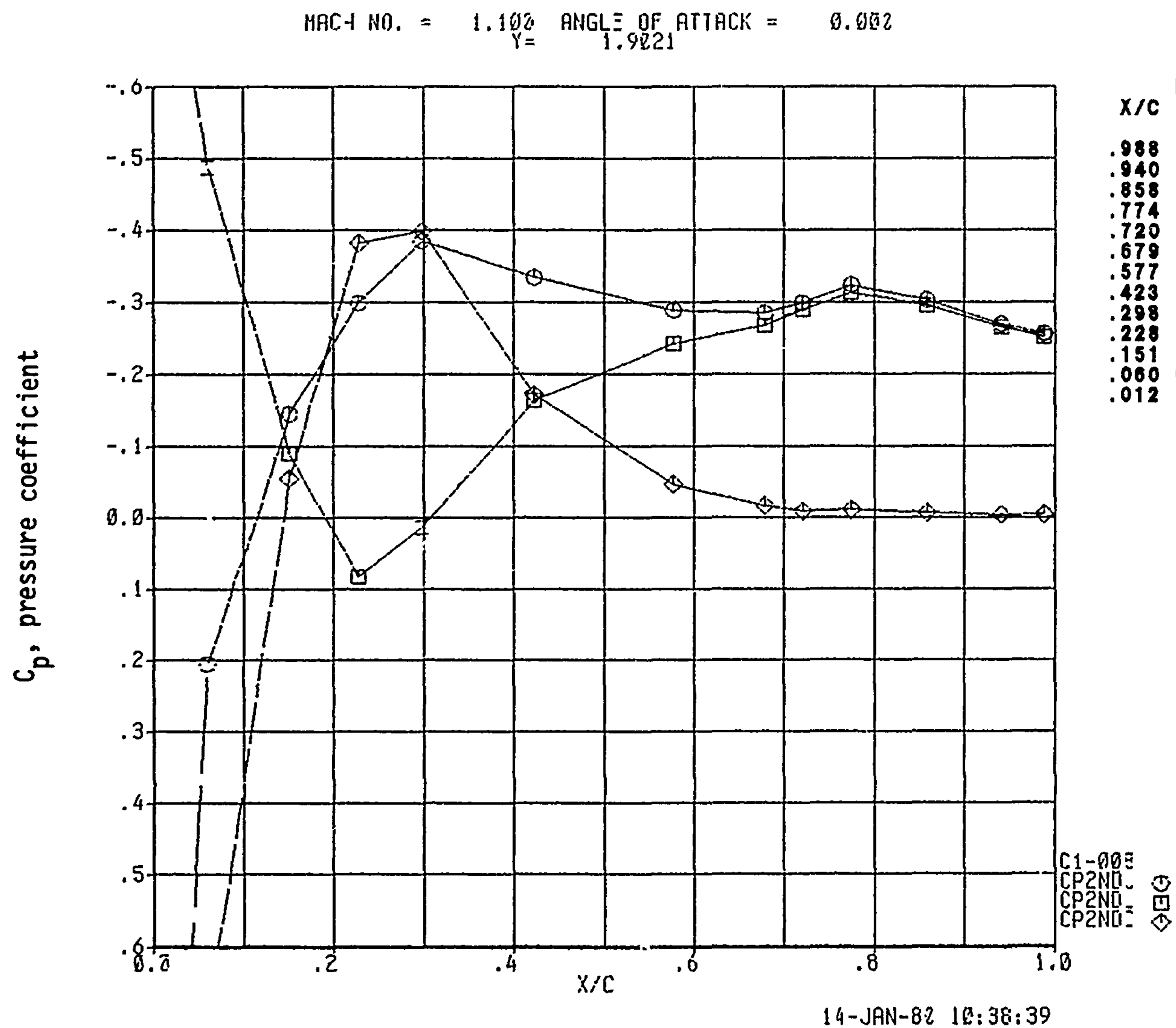
Figure 158, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.102 ANGLE OF ATTACK = -0.502
Y= 1.7035



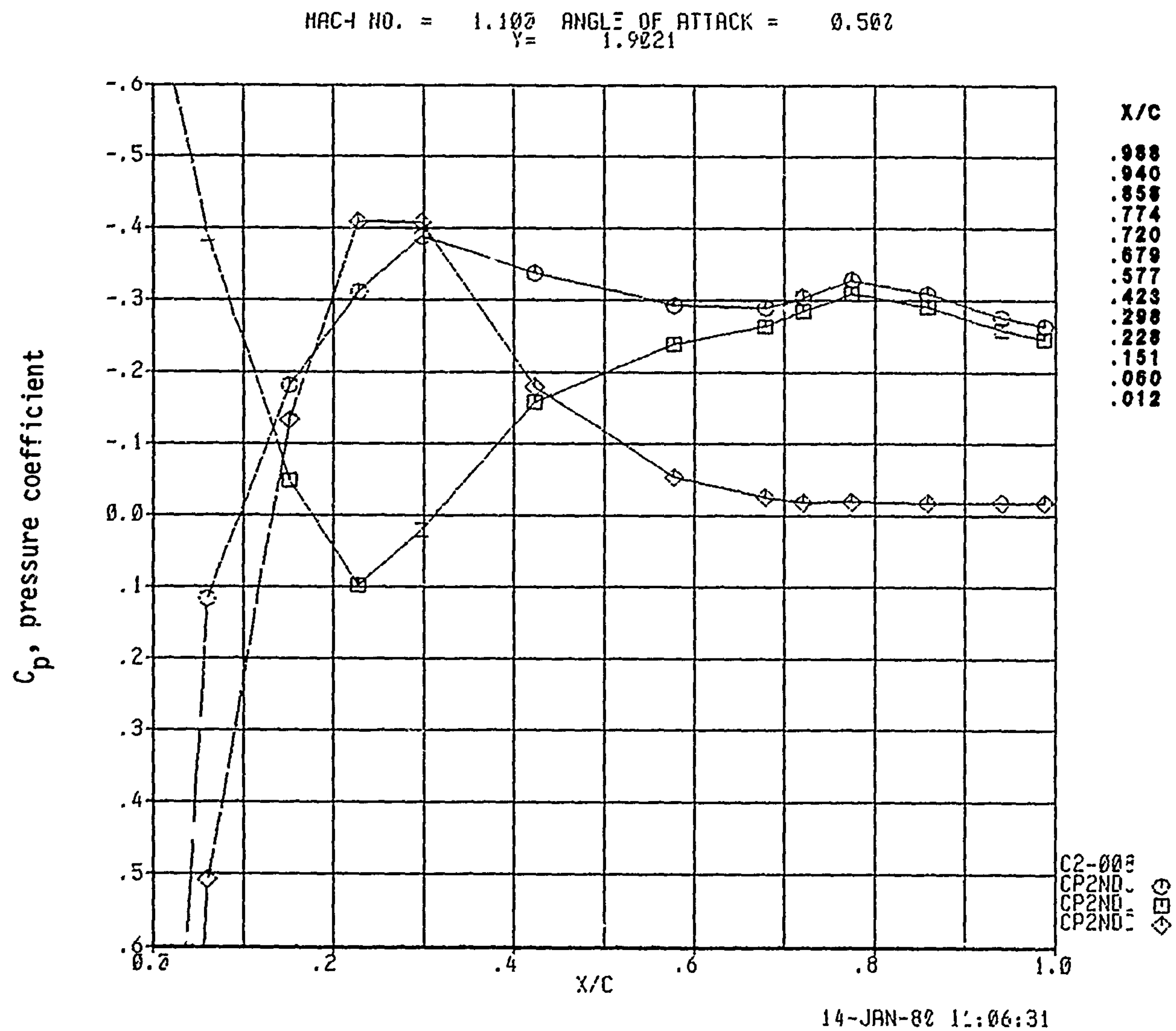

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2713 | -.2717 | 0.0005 |
| .940 | -.2932 | -.2912 | -.0021 |
| .858 | -.3287 | -.3239 | -.0048 |
| .775 | -.3464 | -.3292 | -.0172 |
| .720 | -.3351 | -.2927 | -.0423 |
| .679 | -.3265 | -.2639 | -.0626 |
| .578 | -.3479 | -.2090 | -.1388 |
| .423 | -.2773 | -.1070 | -.1703 |
| .298 | -.1919 | -.0252 | -.1667 |
| .228 | -.0899 | -.0267 | -.0632 |
| .151 | -.0140 | -.1758 | 0.1618 |
| .060 | 0.2748 | -.5417 | 0.8167 |
| .012 | 1.3439 | -.9362 | 2.2801 |

Figure 159, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2562 | -.2520 | -.0043 |
| .940 | -.2690 | -.2649 | -.0040 |
| .858 | -.3025 | -.2957 | -.0068 |
| .774 | -.3232 | -.3123 | -.0109 |
| .720 | -.2987 | -.2898 | -.0091 |
| .679 | -.2845 | -.2677 | -.0167 |
| .577 | -.2886 | -.2420 | -.0466 |
| .423 | -.3336 | -.1628 | -.1707 |
| .298 | -.3836 | 0.0143 | -.3979 |
| .228 | -.2983 | 0.0829 | -.3812 |
| .151 | -.1441 | -.0898 | -.0543 |
| .060 | 0.2057 | -.4870 | 0.6927 |
| .012 | 1.2920 | -.8802 | 2.1722 |

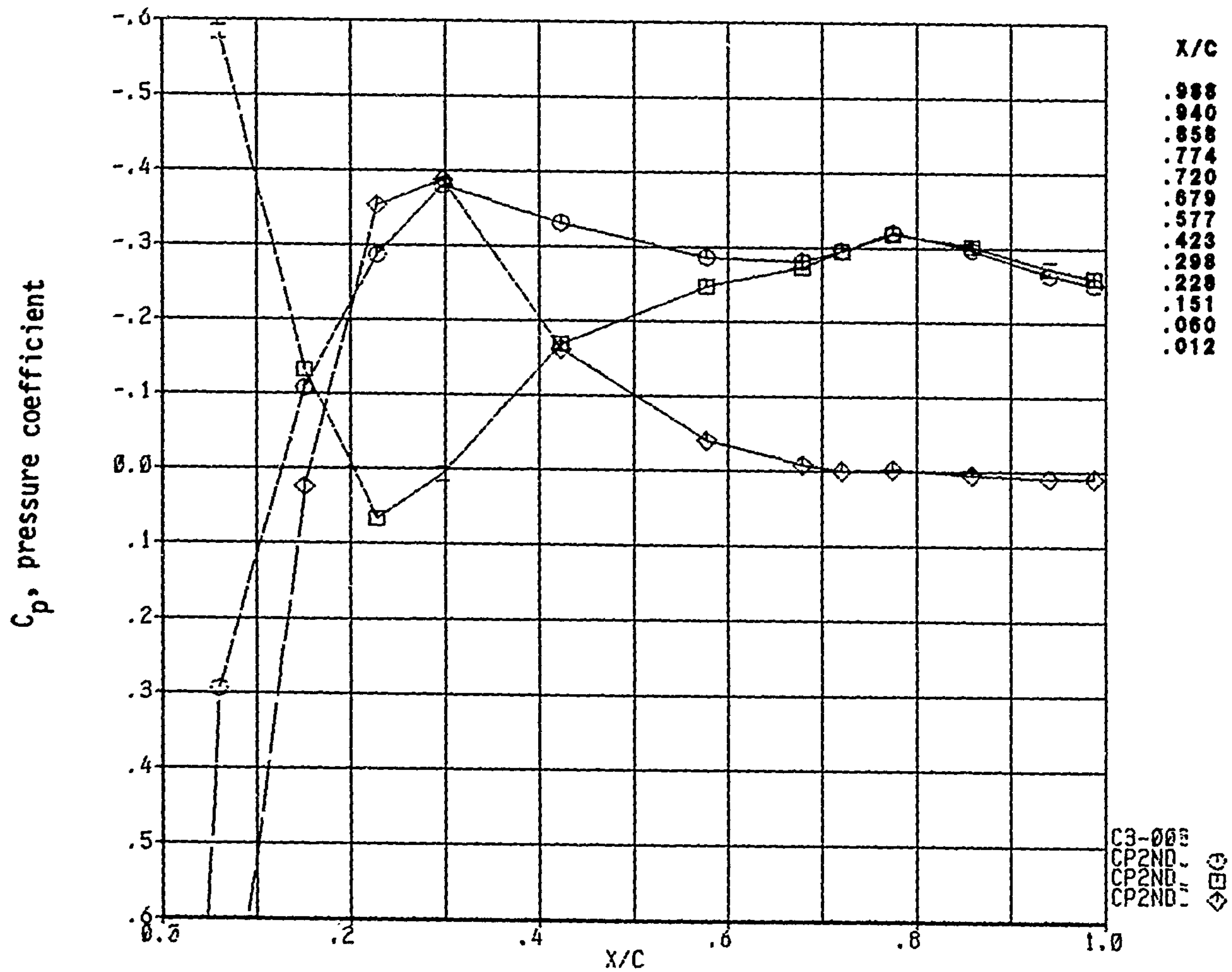
Figure 160, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2635 | -.2457 | -.0178 |
| .940 | -.2760 | -.2588 | -.0172 |
| .858 | -.3085 | -.2906 | -.0178 |
| .774 | -.3277 | -.3087 | -.0190 |
| .720 | -.3037 | -.2855 | -.0182 |
| .679 | -.2893 | -.2635 | -.0258 |
| .577 | -.2922 | -.2388 | -.0534 |
| .423 | -.3374 | -.1579 | -.1794 |
| .298 | -.3879 | 0.0204 | -.4083 |
| .228 | -.3110 | 0.0981 | -.4090 |
| .151 | -.1815 | -.0486 | -.1329 |
| .060 | 0.1166 | -.3908 | 0.5074 |
| .012 | 1.1108 | -.6574 | 1.7683 |

Figure 161, Chordwise Pressure Distribution, Steady, Configuration 1

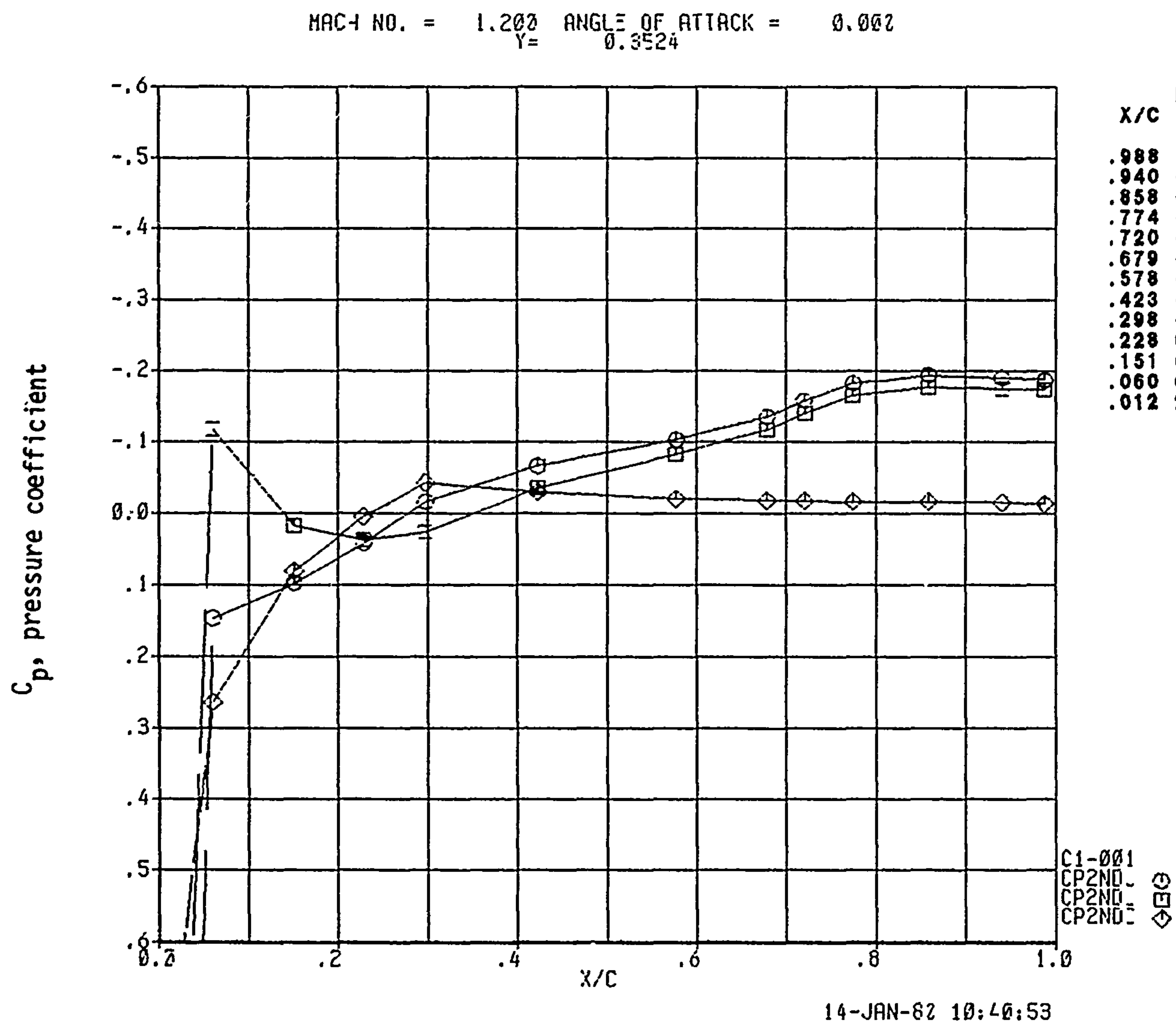
MACH NO. = 1.102 ANGLE OF ATTACK = -0.502
Y= 1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2507 | -.2599 | 0.0093 |
| .940 | -.2635 | -.2727 | 0.0092 |
| .858 | -.2981 | -.3024 | 0.0043 |
| .774 | -.3202 | -.3175 | -.0027 |
| .720 | -.2954 | -.2956 | 0.0002 |
| .679 | -.2812 | -.2735 | -.0077 |
| .577 | -.2866 | -.2467 | -.0399 |
| .423 | -.3312 | -.1691 | -.1620 |
| .298 | -.3805 | 0.0070 | -.3875 |
| .228 | -.2867 | 0.0666 | -.3534 |
| .151 | -.1075 | -.1318 | 0.0242 |
| .060 | 0.2940 | -.5840 | 0.8780 |
| .012 | 1.4692 | -1.107 | 2.5761 |

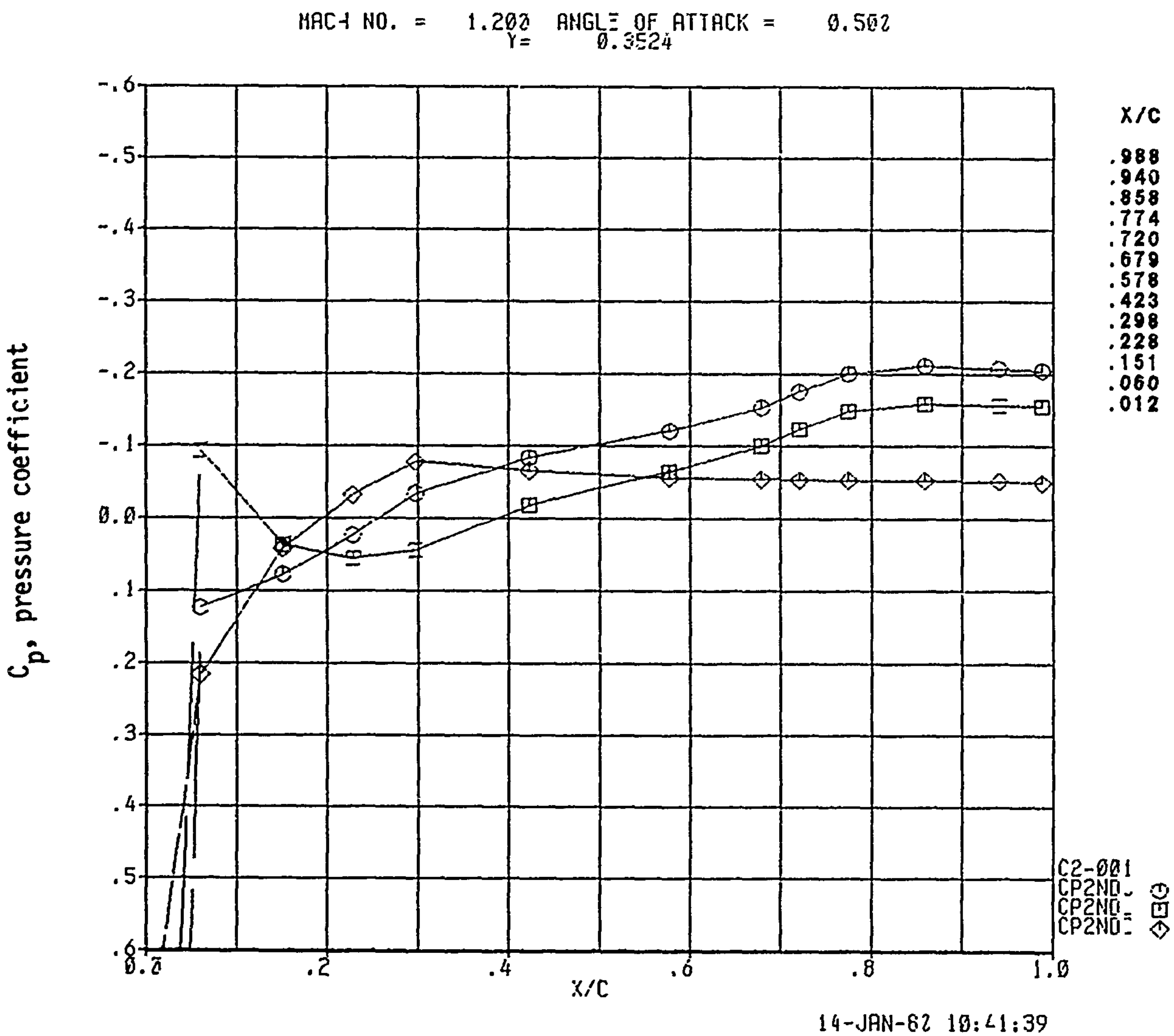
14-JAN-82 10:39:28

Figure 162, Chordwise Pressure Distribution, Steady, Configuration 1



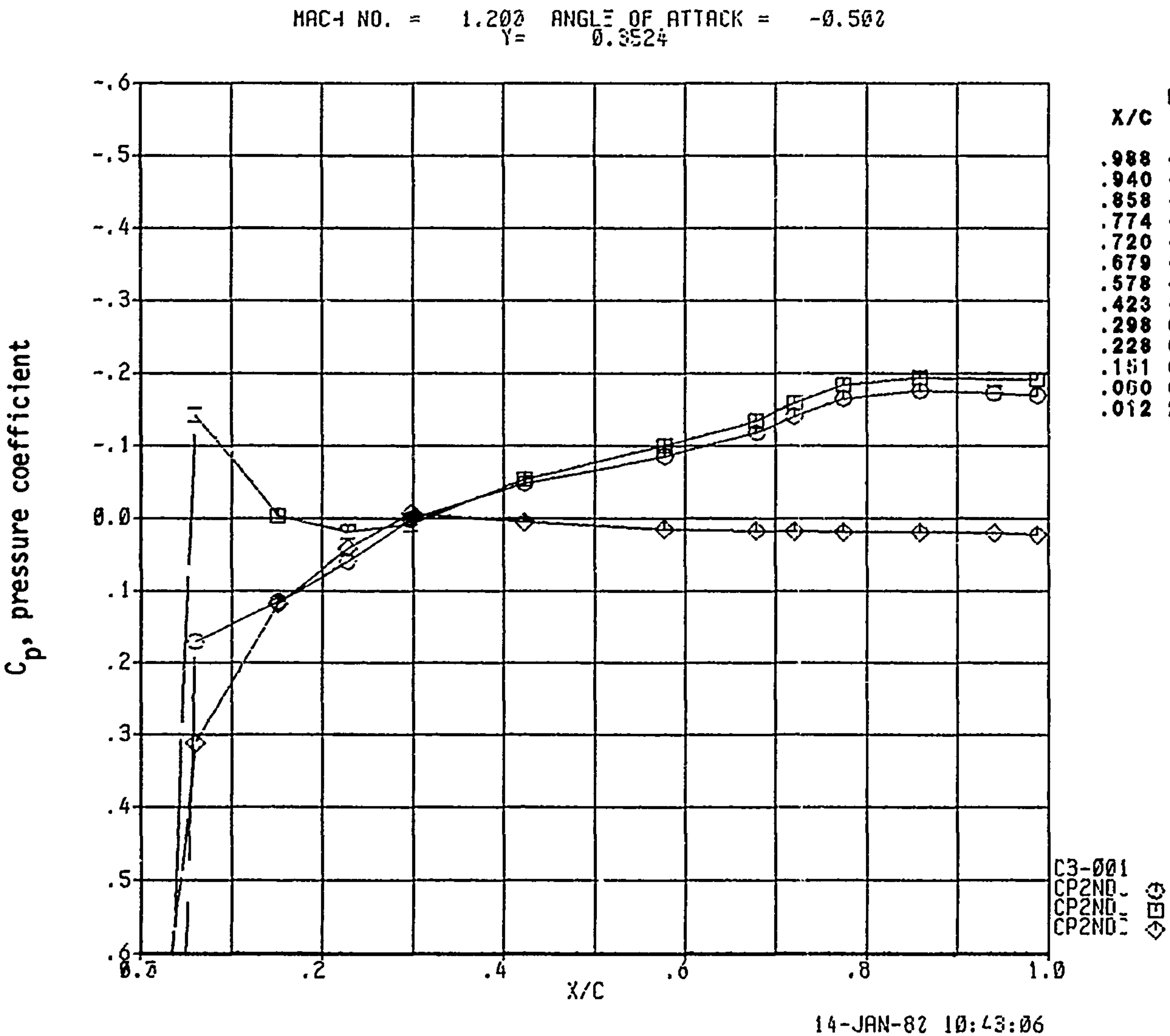

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1871 | -.1736 | -.0135 |
| .940 | -.1897 | -.1743 | -.0154 |
| .858 | -.1933 | -.1767 | -.0167 |
| .774 | -.1822 | -.1655 | -.0167 |
| .720 | -.1577 | -.1402 | -.0175 |
| .679 | -.1356 | -.1175 | -.0181 |
| .578 | -.1028 | -.0824 | -.0203 |
| .423 | -.0661 | -.0358 | -.0303 |
| .298 | -.0164 | 0.0260 | -.0424 |
| .228 | 0.0411 | 0.0365 | 0.0045 |
| .151 | 0.0968 | 0.0168 | 0.0800 |
| .060 | 0.1465 | -.1173 | 0.2637 |
| .012 | 2.1188 | 1.3671 | 0.7516 |

Figure 163, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2049 | -.1558 | -.0491 |
| .940 | -.2073 | -.1566 | -.0508 |
| .858 | -.2110 | -.1590 | -.0520 |
| .774 | -.1998 | -.1479 | -.0520 |
| .720 | -.1754 | -.1227 | -.0526 |
| .679 | -.1532 | -.0999 | -.0533 |
| .578 | -.1203 | -.0648 | -.0554 |
| .423 | -.0837 | -.0182 | -.0656 |
| .298 | -.0340 | 0.0438 | -.0779 |
| .228 | 0.0231 | 0.0549 | -.0318 |
| .151 | 0.0777 | 0.0365 | 0.0412 |
| .060 | 0.1230 | -.0928 | 0.2157 |
| .012 | 2.0738 | 1.4126 | 0.6611 |

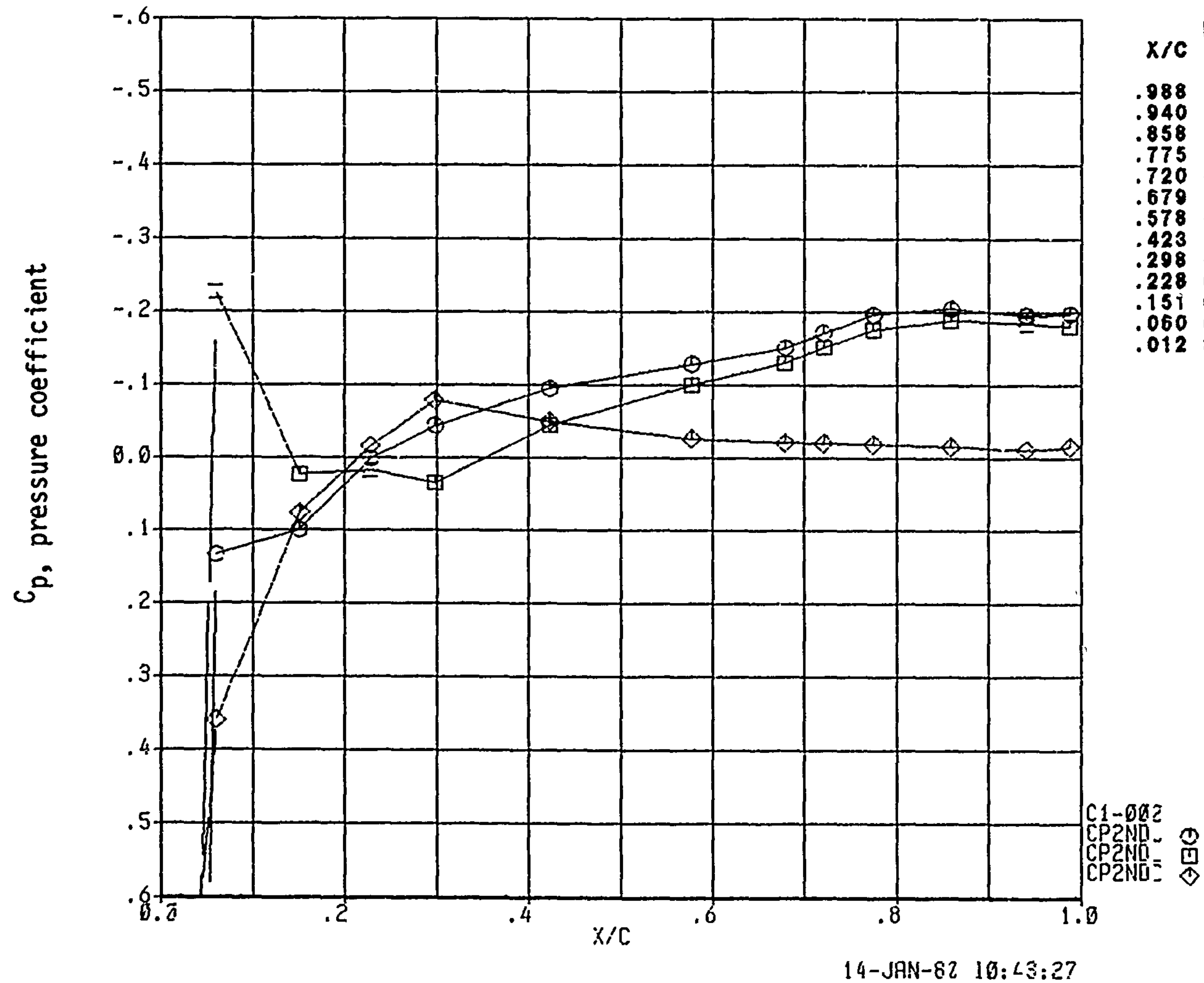
Figure 164 , Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1693 | -.1915 | 0.0222 |
| .940 | -.1721 | -.1920 | 0.0199 |
| .858 | -.1758 | -.1944 | 0.0186 |
| .774 | -.1646 | -.1832 | 0.0187 |
| .720 | -.1403 | -.1579 | 0.0177 |
| .679 | -.1181 | -.1351 | 0.0169 |
| .578 | -.0852 | -.1001 | 0.0148 |
| .423 | -.0485 | -.0535 | 0.0049 |
| .298 | 0.0012 | 0.0081 | -.0069 |
| .228 | 0.0590 | 0.0181 | 0.0409 |
| .151 | 0.1158 | -.0029 | 0.1187 |
| .060 | 0.1698 | -.1418 | 0.3116 |
| .012 | 2.1637 | 1.3215 | 0.8422 |

Figure 165, Chordwise Pressure Distribution, Steady, Configuration 1

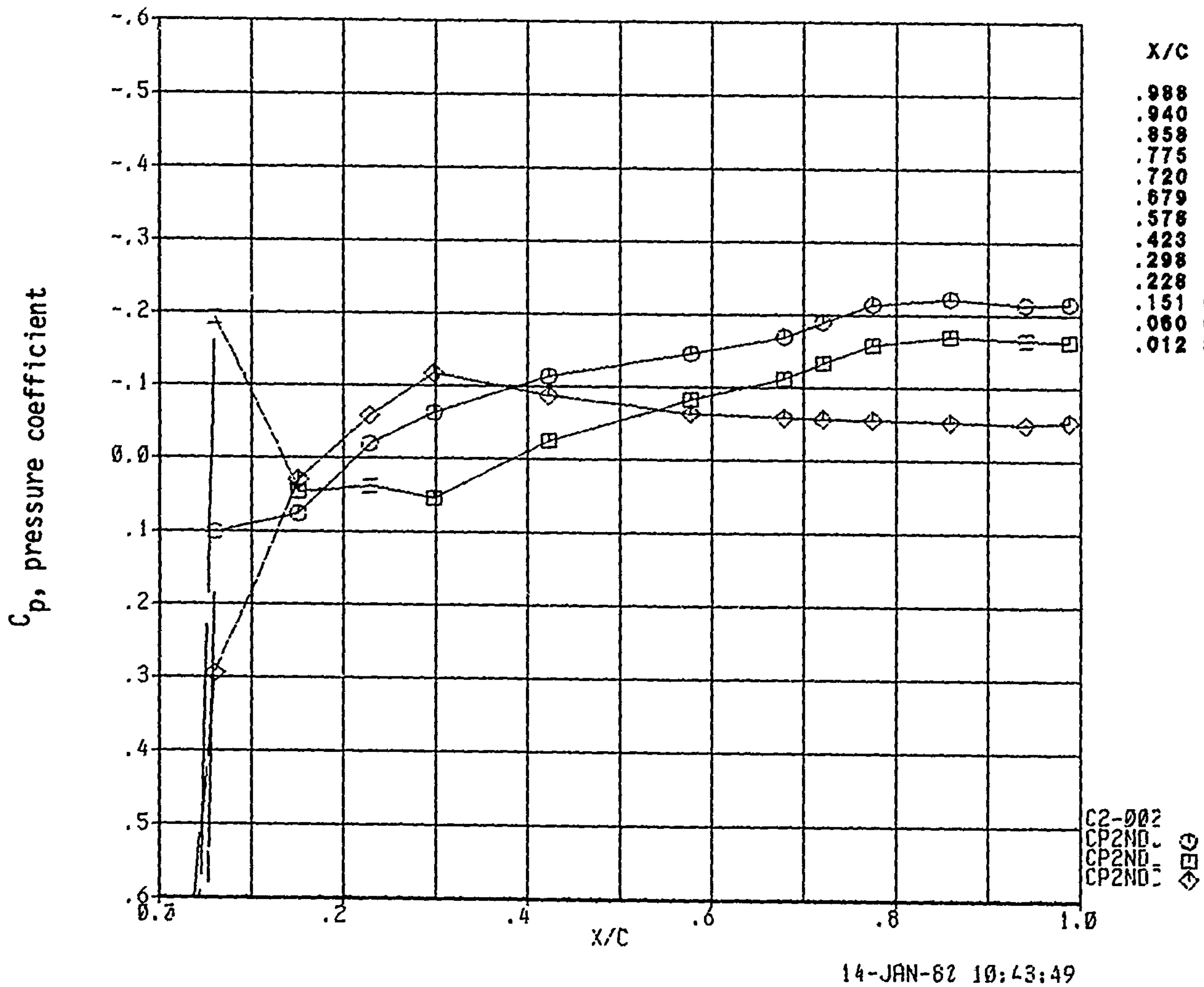
MACH NO. = 1.202 ANGLE OF ATTACK = 0.002
Y= 0.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1972 | -.1807 | -.0164 |
| .940 | -.1954 | -.1834 | -.0119 |
| .858 | -.2041 | -.1880 | -.0161 |
| .775 | -.1961 | -.1764 | -.0196 |
| .720 | -.1719 | -.1513 | -.0206 |
| .679 | -.1512 | -.1296 | -.0216 |
| .578 | -.1276 | -.1005 | -.0270 |
| .423 | -.0947 | -.0448 | -.0499 |
| .298 | -.0437 | 0.0344 | -.0781 |
| .228 | 0.0009 | 0.0178 | -.0169 |
| .151 | 0.0988 | 0.0227 | 0.0761 |
| .060 | 0.1333 | -.2260 | 0.3593 |
| .012 | 3.1914 | 2.1020 | 1.0895 |

Figure 166, Chordwise Pressure Distribution, Steady, Configuration 1

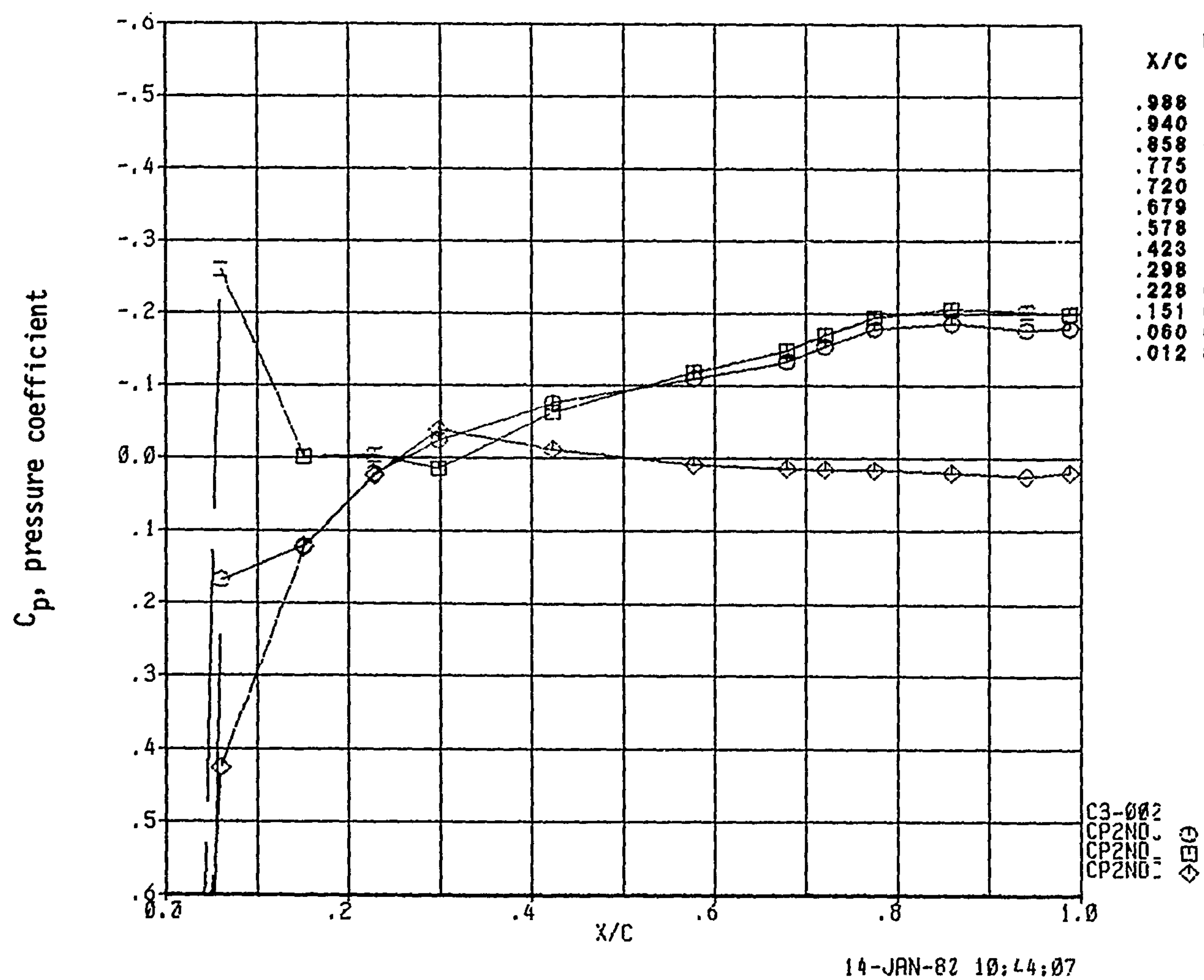
MACH NO. = 1.202 ANGLE OF ATTACK = 0.502
Y= 0.6253




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2154 | -.1625 | -.0530 |
| .940 | -.2139 | -.1649 | -.0489 |
| .858 | -.2223 | -.1698 | -.0525 |
| .775 | -.2142 | -.1584 | -.0558 |
| .720 | -.1900 | -.1332 | -.0569 |
| .679 | -.1694 | -.1114 | -.0579 |
| .578 | -.1459 | -.0823 | -.0636 |
| .423 | -.1134 | -.0260 | -.0874 |
| .298 | -.0631 | 0.0540 | -.1171 |
| .228 | -.0195 | 0.0386 | -.0580 |
| .151 | 0.0759 | 0.0462 | 0.0297 |
| .060 | 0.1012 | -.1930 | 0.2942 |
| .012 | 3.1265 | 2.1671 | 0.9594 |

Figure 167, Chordwise Pressure Distribution, Steady, Configuration 1

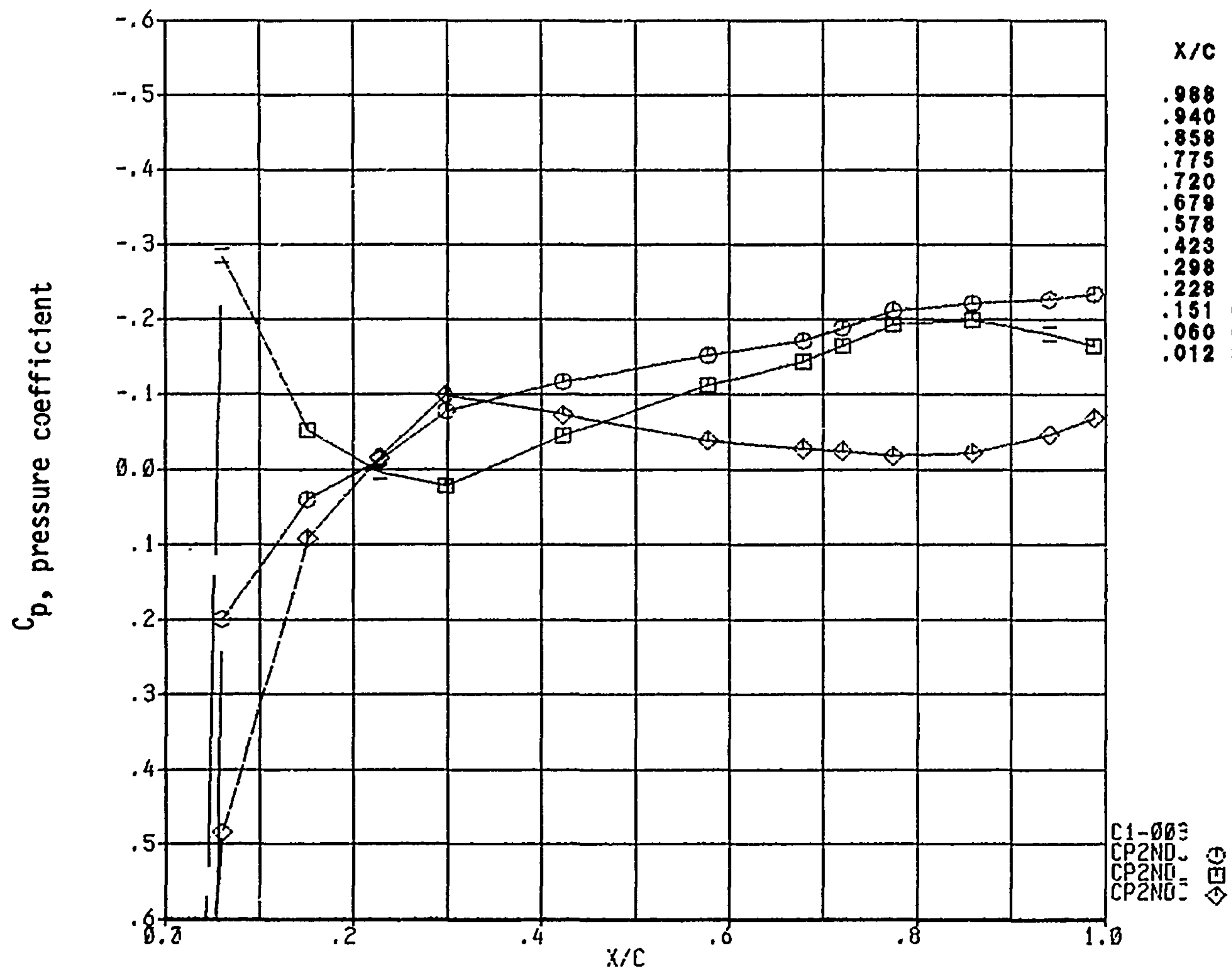
MACH NO. = 1.200 ANGLE OF ATTACK = -0.502
Y= 0.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1790 | -.1990 | 0.0200 |
| .940 | -.1770 | -.2020 | 0.0251 |
| .858 | -.1860 | -.2063 | 0.0202 |
| .775 | -.1781 | -.1946 | 0.0164 |
| .720 | -.1538 | -.1695 | 0.0156 |
| .679 | -.1331 | -.1478 | 0.0147 |
| .578 | -.1094 | -.1189 | 0.0096 |
| .423 | -.0760 | -.0637 | -.0123 |
| .298 | -.0245 | 0.0148 | -.0392 |
| .228 | 0.0211 | -.0031 | 0.0242 |
| .151 | 0.1216 | -.0009 | 0.1225 |
| .060 | 0.1652 | -.2591 | 0.4244 |
| .012 | 3.2563 | 2.0368 | 1.2195 |

Figure 168, Chordwise Pressure Distribution, Steady, Configuration 1

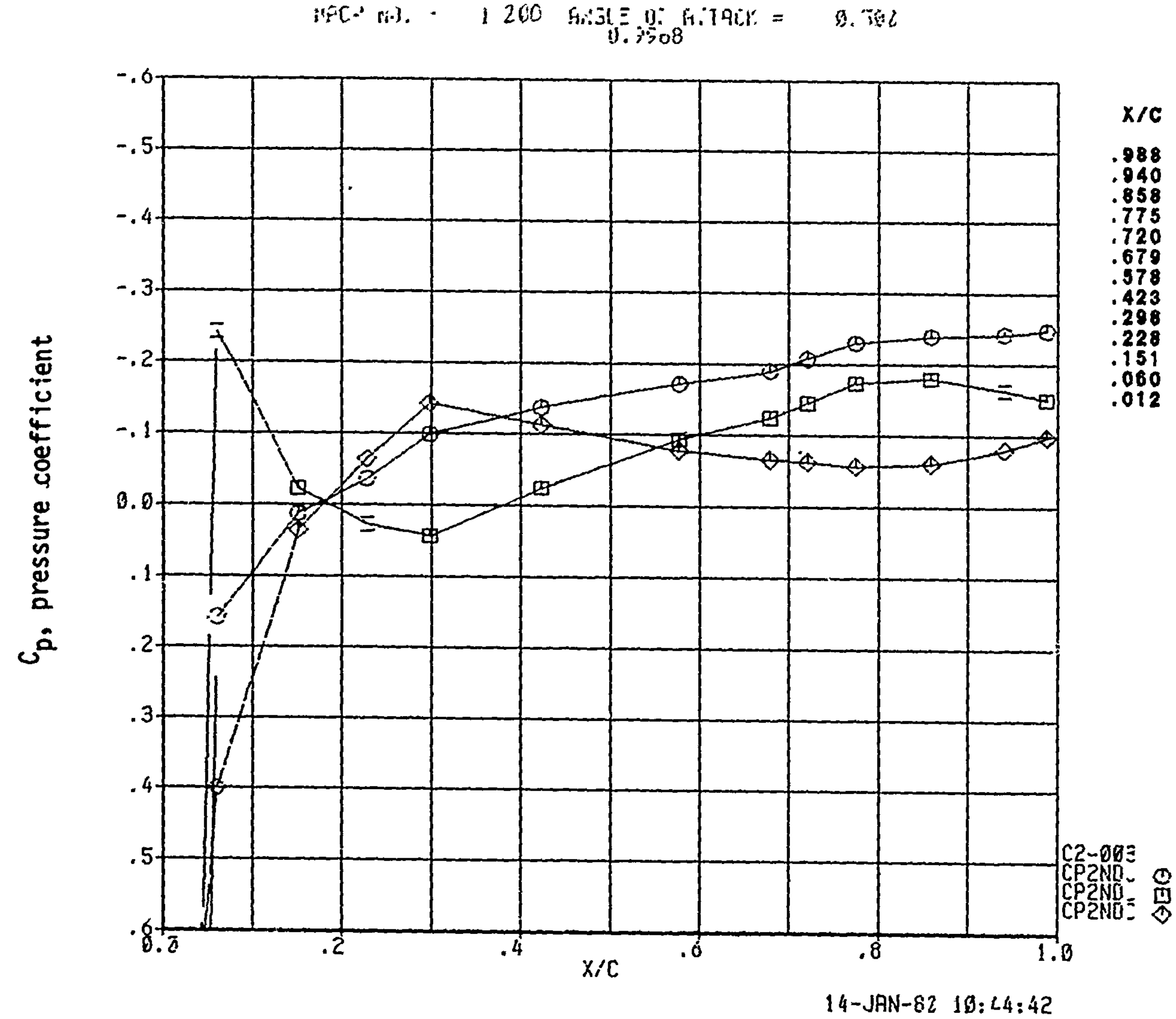
MACH NO. = 1.202 ANGLE OF ATTACK = 0.002
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2331 | -.1648 | -.0683 |
| .940 | -.2259 | -.1801 | -.0458 |
| .858 | -.2208 | -.1985 | -.0224 |
| .775 | -.2106 | -.1925 | -.0181 |
| .720 | -.1884 | -.1639 | -.0245 |
| .679 | -.1710 | -.1434 | -.0276 |
| .578 | -.1515 | -.1130 | -.0384 |
| .423 | -.1171 | -.0452 | -.0720 |
| .298 | -.0773 | 0.0218 | -.0991 |
| .228 | -.0133 | 0.0030 | -.0164 |
| .151 | 0.0400 | -.0514 | 0.0913 |
| .060 | 0.1995 | -.2842 | 0.4836 |
| .012 | 3.4448 | 2.1619 | 1.2829 |

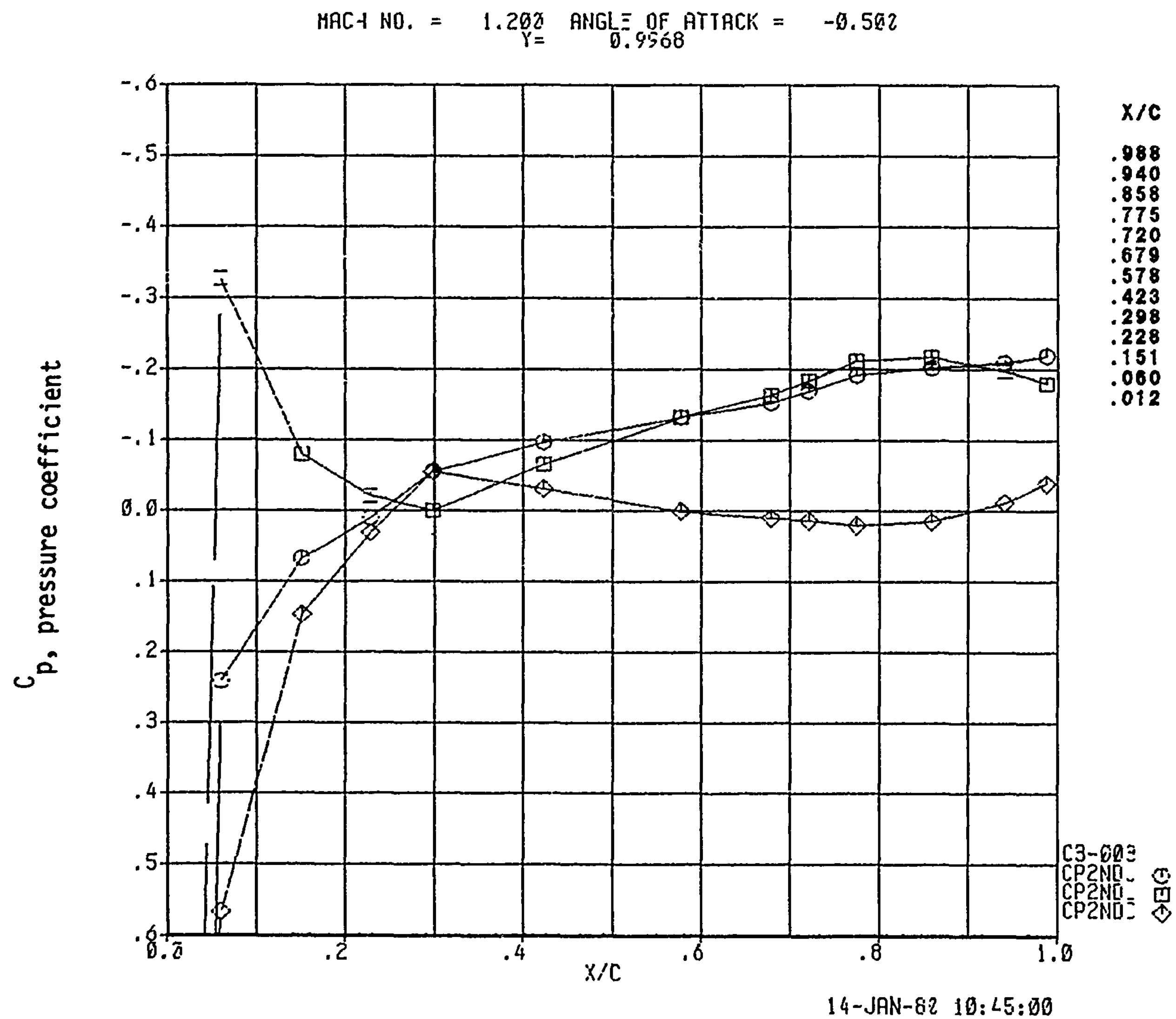
14-JAN-82 10:44:24

Figure 169, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2478 | -.1499 | -.0978 |
| .940 | -.2428 | -.1631 | -.0797 |
| .858 | -.2396 | -.1796 | -.0601 |
| .775 | -.2299 | -.1732 | -.0567 |
| .720 | -.2076 | -.1448 | -.0628 |
| .679 | -.1901 | -.1242 | -.0659 |
| .578 | -.1708 | -.0936 | -.0773 |
| .423 | -.1375 | -.0247 | -.1128 |
| .298 | -.0990 | 0.0437 | -.1427 |
| .228 | -.0370 | 0.0271 | -.0641 |
| .151 | 0.0126 | -.0233 | 0.0359 |
| .060 | 0.1581 | -.2419 | 0.4001 |
| .012 | 3.3690 | 2.2378 | 1.1312 |

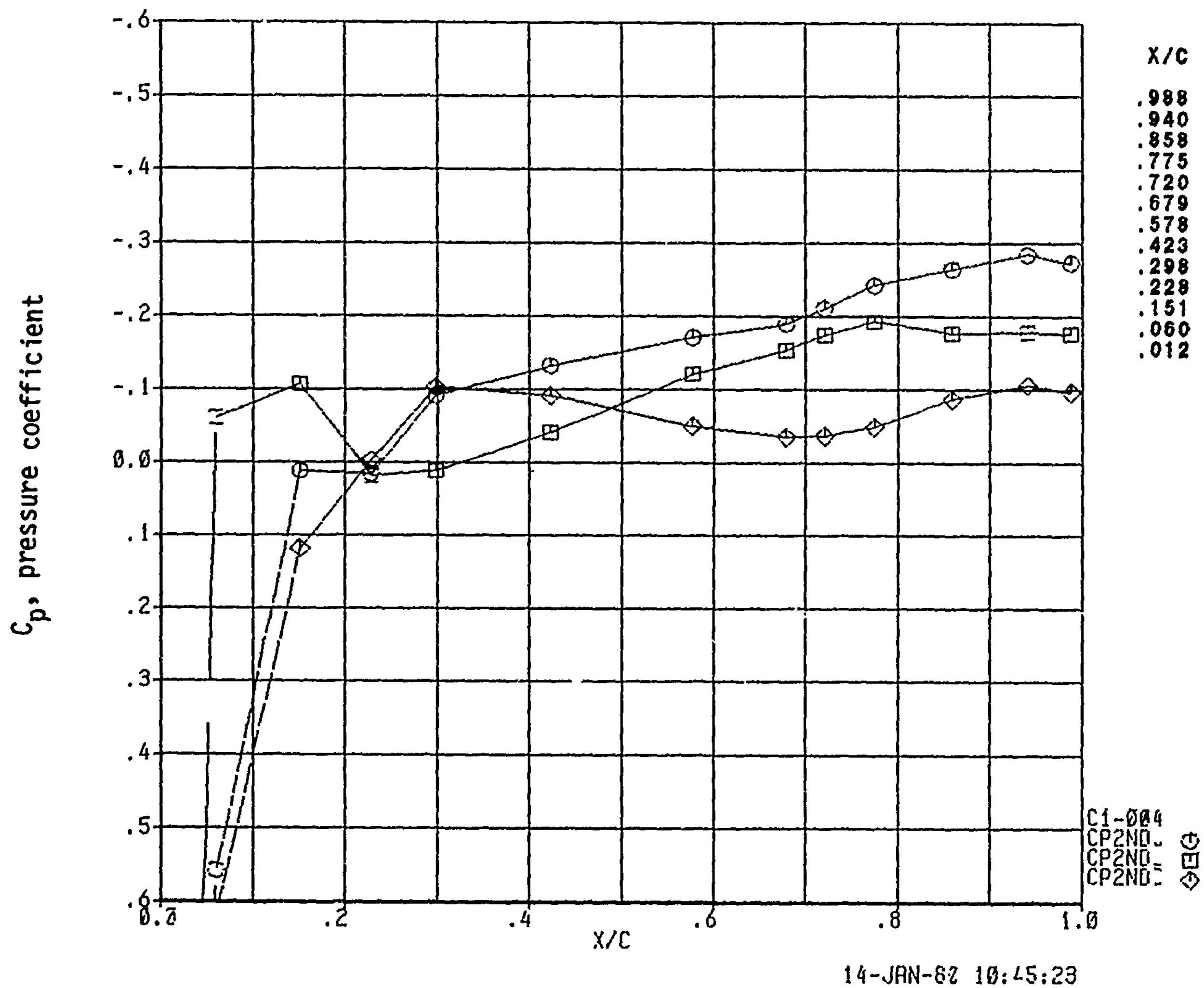
Figure 170, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2186 | -.1798 | -.0388 |
| .940 | -.2091 | -.1973 | -.0118 |
| .858 | -.2021 | -.2174 | 0.0153 |
| .775 | -.1913 | -.2118 | 0.0205 |
| .720 | -.1694 | -.1831 | 0.0137 |
| .679 | -.1519 | -.1626 | 0.0107 |
| .578 | -.1321 | -.1325 | 0.0004 |
| .423 | -.0968 | -.0656 | -.0312 |
| .298 | -.0557 | -.0003 | -.0554 |
| .228 | 0.0102 | -.0212 | 0.0314 |
| .151 | 0.0672 | -.0794 | 0.1467 |
| .060 | 0.2408 | -.3263 | 0.5672 |
| .012 | 3.5206 | 2.0860 | 1.4346 |

Figure 171, Chordwise Pressure Distribution, Steady, Configuration 1

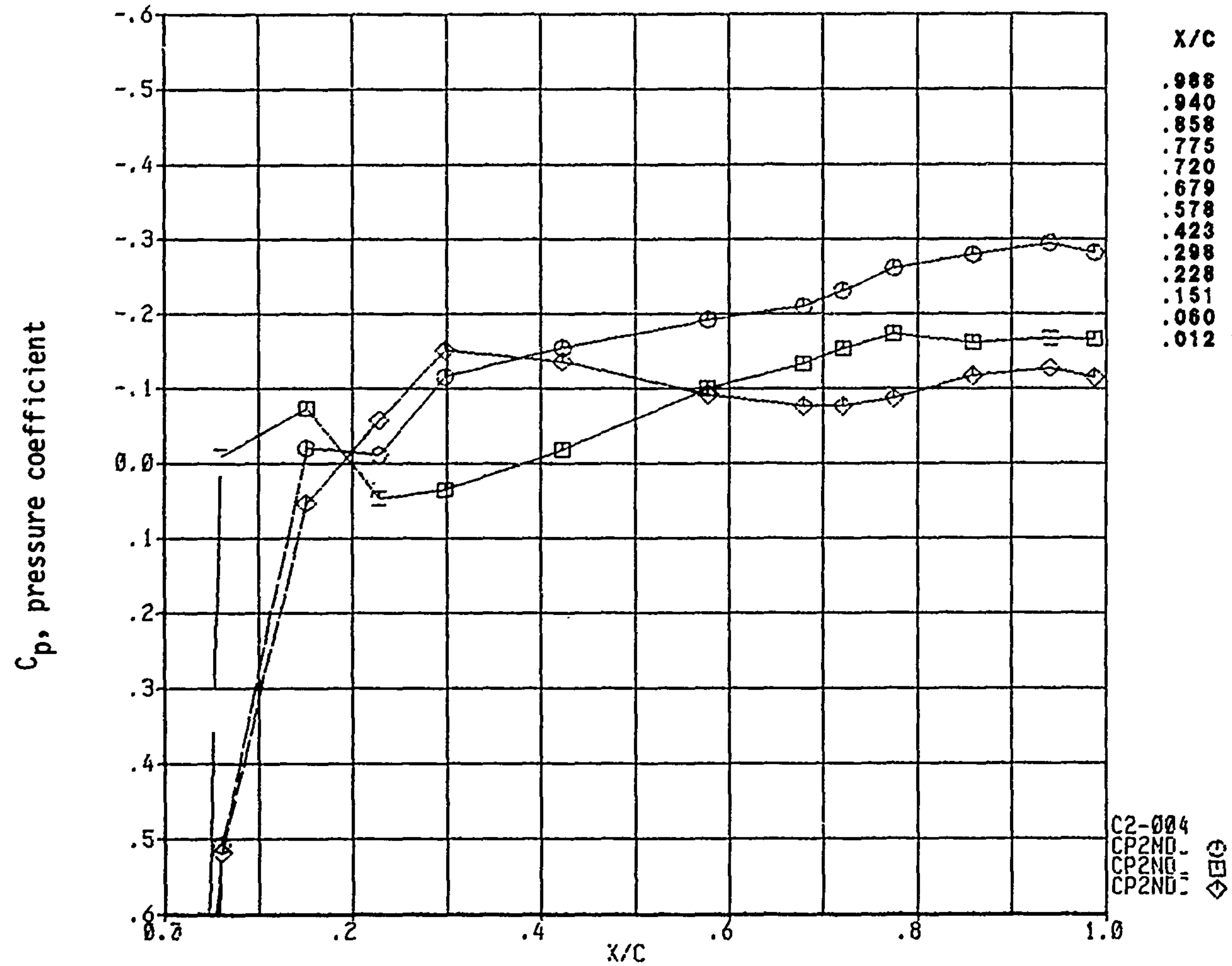
MACH NO. = 1.202 ANGLE OF ATTACK = 0.002
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2725 | -.1759 | -.0966 |
| .940 | -.2845 | -.1784 | -.1060 |
| .858 | -.2643 | -.1772 | -.0871 |
| .775 | -.2417 | -.1924 | -.0492 |
| .720 | -.2108 | -.1740 | -.0368 |
| .679 | -.1894 | -.1539 | -.0355 |
| .578 | -.1709 | -.1211 | -.0499 |
| .423 | -.1323 | -.0409 | -.0913 |
| .298 | -.0914 | 0.0114 | -.1028 |
| .228 | 0.0159 | 0.0187 | -.0028 |
| .151 | 0.0114 | -.1064 | 0.1178 |
| .060 | 0.5583 | -.0607 | 0.6189 |
| .012 | 3.4857 | 2.1115 | 1.3742 |

Figure 172, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.200 ANGLE OF ATTACK = 0.500
Y= 1.2479

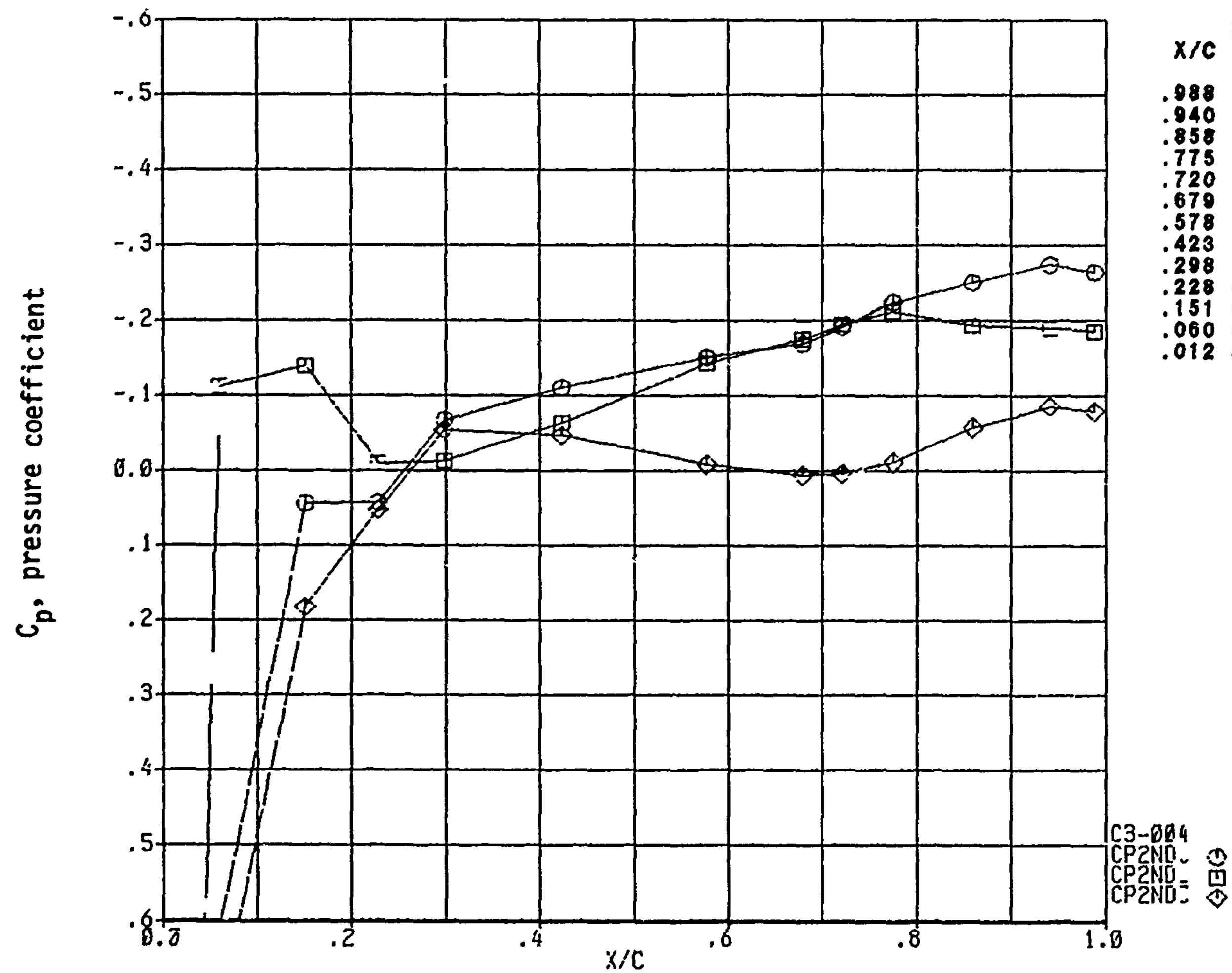



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2812 | -.1668 | -.1144 |
| .940 | -.2946 | -.1679 | -.1267 |
| .858 | -.2789 | -.1622 | -.1168 |
| .775 | -.2605 | -.1735 | -.0870 |
| .720 | -.2308 | -.1539 | -.0770 |
| .679 | -.2099 | -.1333 | -.0767 |
| .578 | -.1919 | -.1000 | -.0919 |
| .423 | -.1544 | -.0186 | -.1358 |
| .298 | -.1157 | 0.0360 | -.1517 |
| .228 | -.0112 | 0.0464 | -.0575 |
| .151 | -.0203 | -.0739 | 0.0536 |
| .060 | 0.5079 | -.0097 | 0.5176 |
| .012 | 3.4050 | 2.1923 | 1.2126 |

14-JAN-82 10:45:42

Figure 173, Chordwise Pressure Distribution, Steady, Configuration 1

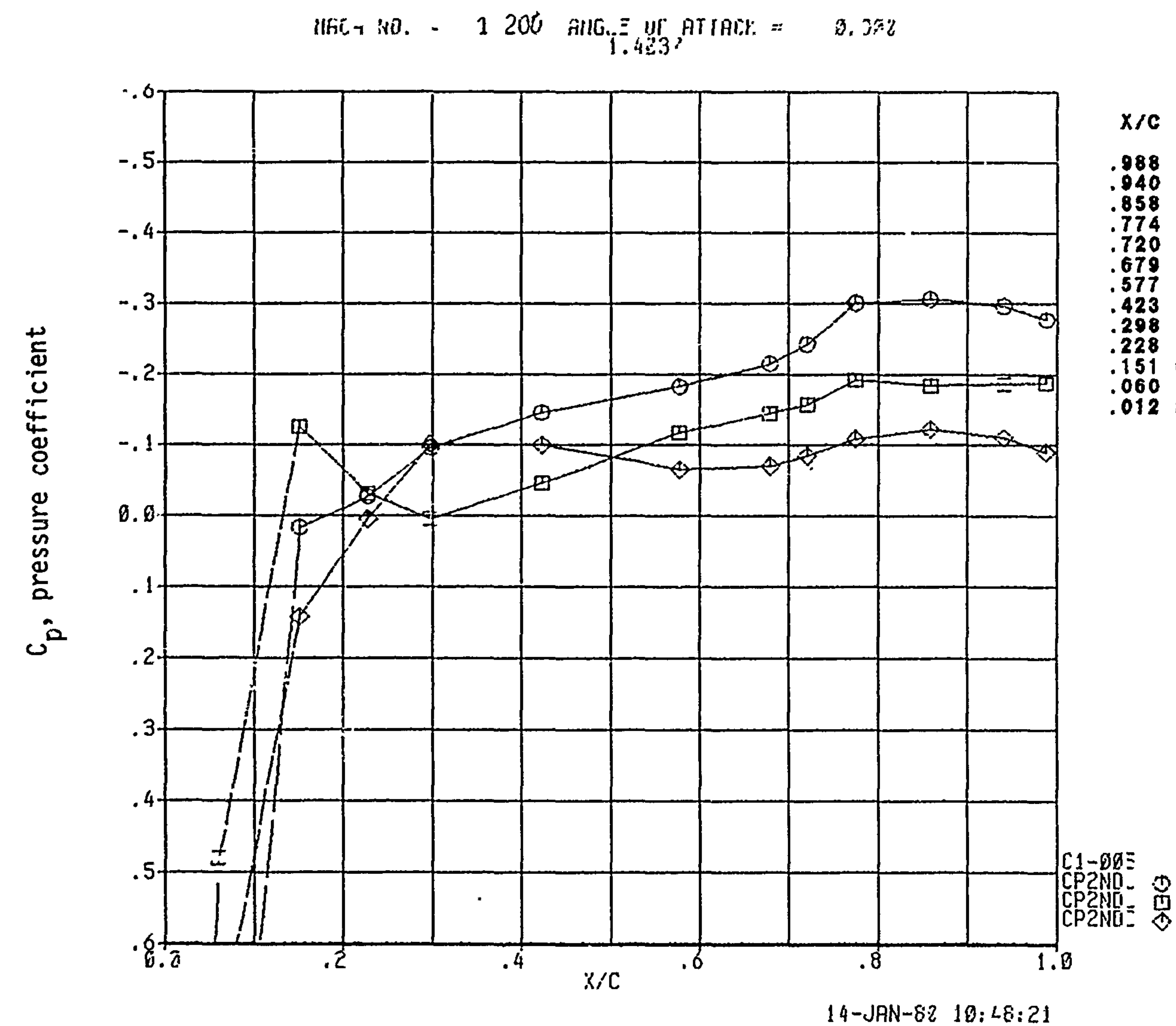
MACH NO. = 1.200 ANGLE OF ATTACK = -0.500
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2640 | -.1853 | -.0788 |
| .940 | -.2744 | -.1892 | -.0853 |
| .858 | -.2498 | -.1923 | -.0575 |
| .775 | -.2230 | -.2114 | -.0116 |
| .720 | -.1908 | -.1942 | 0.0034 |
| .679 | -.1689 | -.1746 | 0.0057 |
| .578 | -.1500 | -.1422 | -.0078 |
| .423 | -.1102 | -.0633 | -.0470 |
| .298 | -.0672 | -.0133 | -.0539 |
| .228 | 0.0430 | -.0090 | 0.0520 |
| .151 | 0.0432 | -.1383 | 0.1820 |
| .060 | 0.6086 | -.1117 | 0.7203 |
| .012 | 3.5665 | 2.0307 | 1.5359 |

14-JAN-82 10:46:24

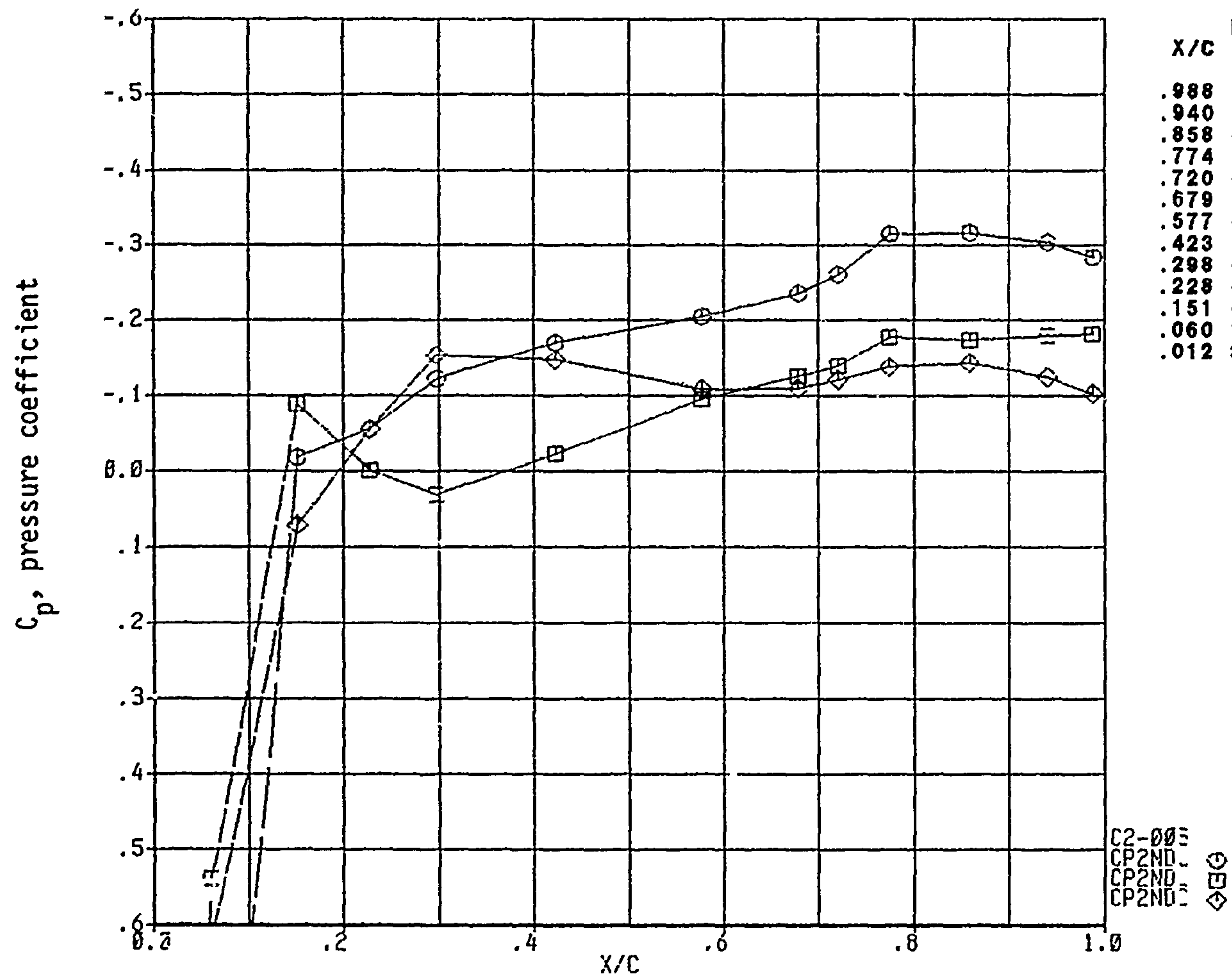
Figure 174, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2776 | -.1876 | -.0900 |
| .940 | -.2967 | -.1865 | -.1101 |
| .858 | -.3063 | -.1840 | -.1223 |
| .774 | -.3004 | -.1920 | -.1084 |
| .720 | -.2422 | -.1572 | -.0850 |
| .679 | -.2154 | -.1452 | -.0702 |
| .577 | -.1824 | -.1175 | -.0649 |
| .423 | -.1459 | -.0464 | -.0995 |
| .298 | -.0956 | 0.0046 | -.1003 |
| .228 | -.0267 | -.0310 | 0.0043 |
| .151 | 0.0169 | -.1247 | 0.1417 |
| .060 | 1.2131 | 0.4805 | 0.7326 |
| .012 | 3.4931 | 2.0857 | 1.4074 |

Figure 175, Chordwise Pressure Distribution, Steady, Configuration 1

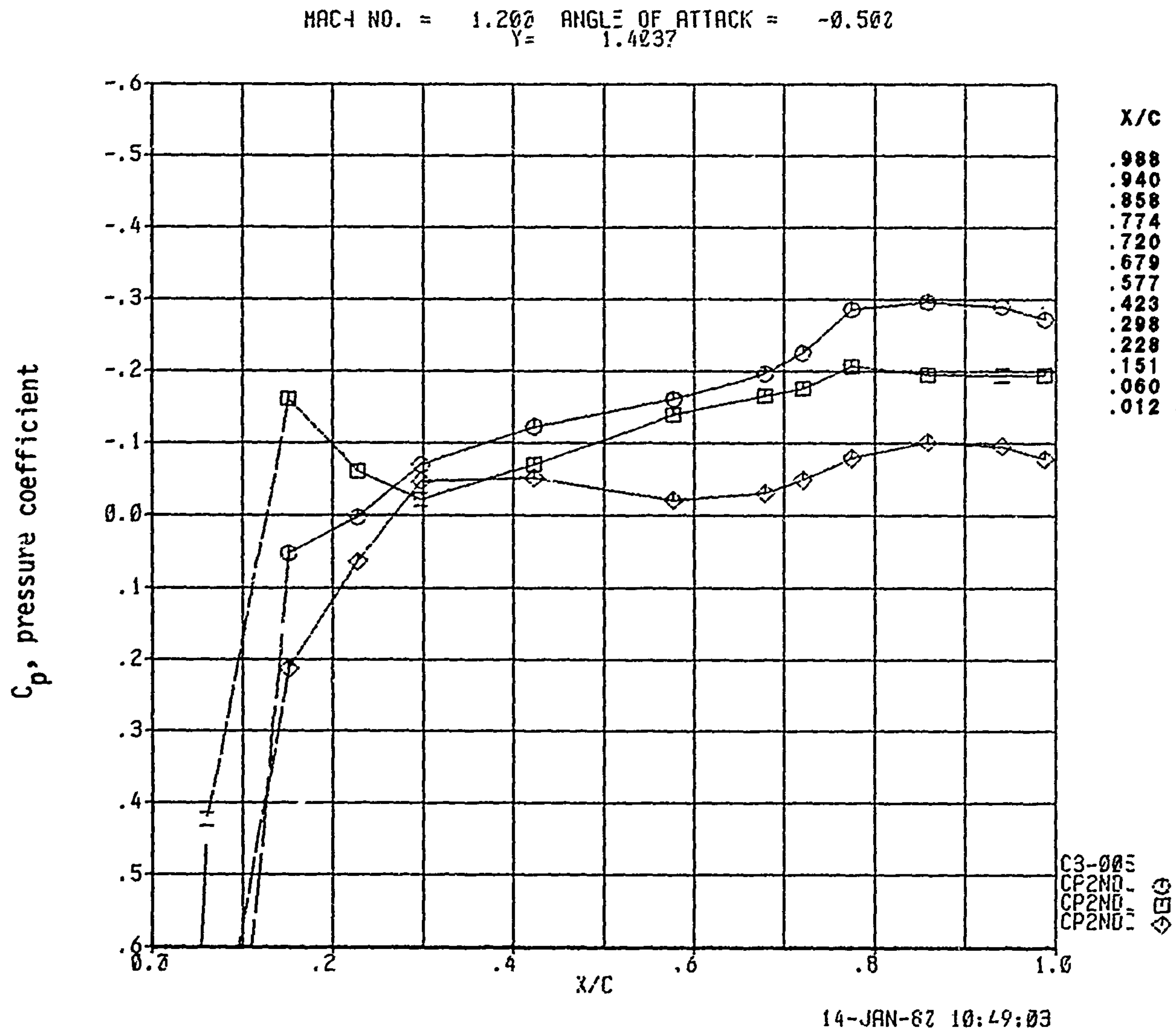
MACH NO. = 1.204 ANGLE OF ATTACK = 0.502
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2837 | -.1812 | -.1025 |
| .940 | -.3035 | -.1792 | -.1243 |
| .858 | -.3163 | -.1734 | -.1430 |
| .774 | -.3148 | -.1772 | -.1376 |
| .720 | -.2600 | -.1392 | -.1209 |
| .679 | -.2350 | -.1254 | -.1096 |
| .577 | -.2043 | -.0955 | -.1088 |
| .423 | -.1696 | -.0225 | -.1471 |
| .298 | -.1219 | 0.0312 | -.1531 |
| .228 | -.0560 | -.0011 | -.0549 |
| .151 | -.0182 | -.0890 | 0.0708 |
| .060 | 1.1558 | 0.5383 | 0.6175 |
| .012 | 3.4106 | 2.1683 | 1.2423 |

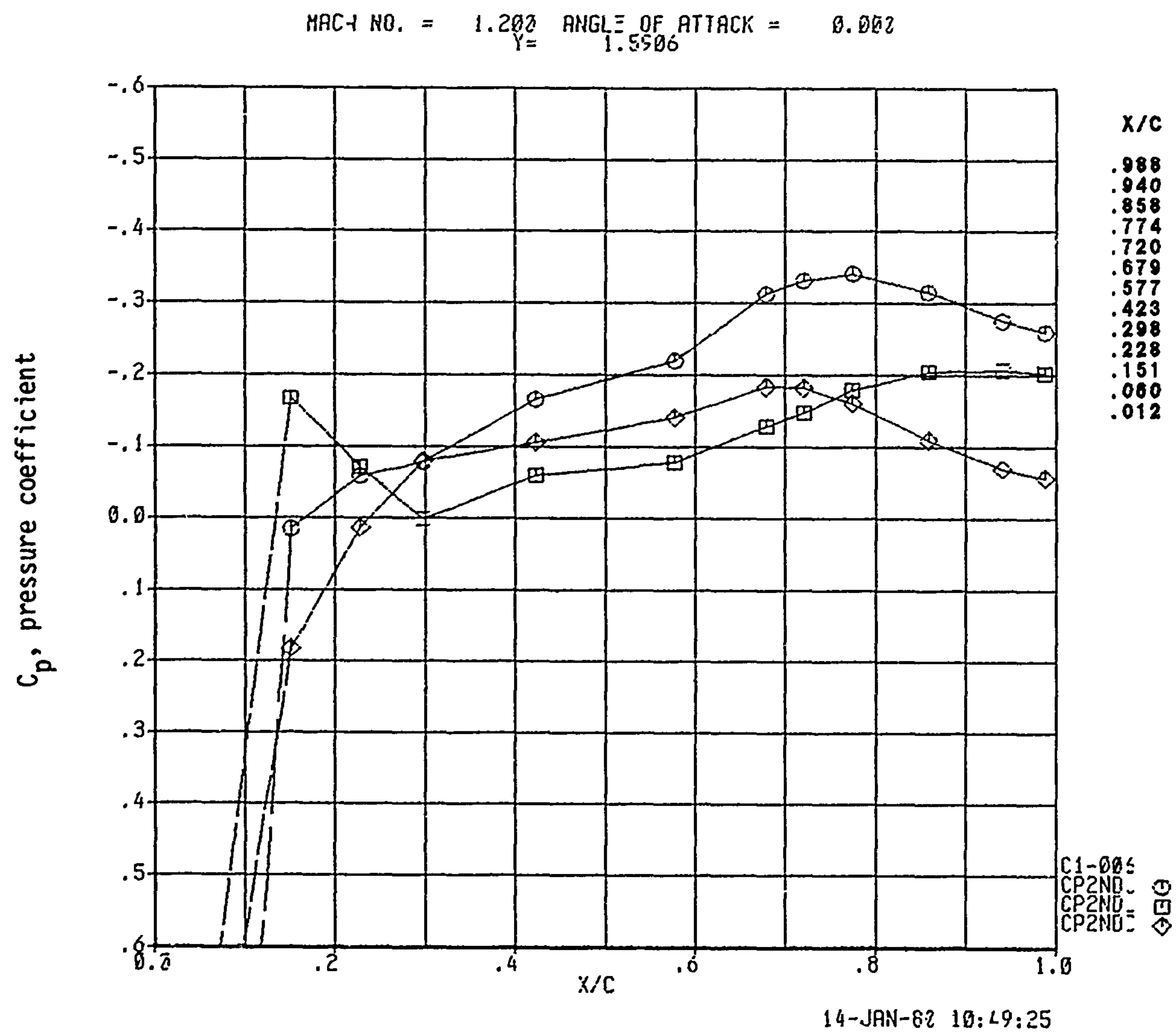
14-JAN-82 10:48:44

Figure 176, Chordwise Pressure Distribution, Steady, Configuration 1



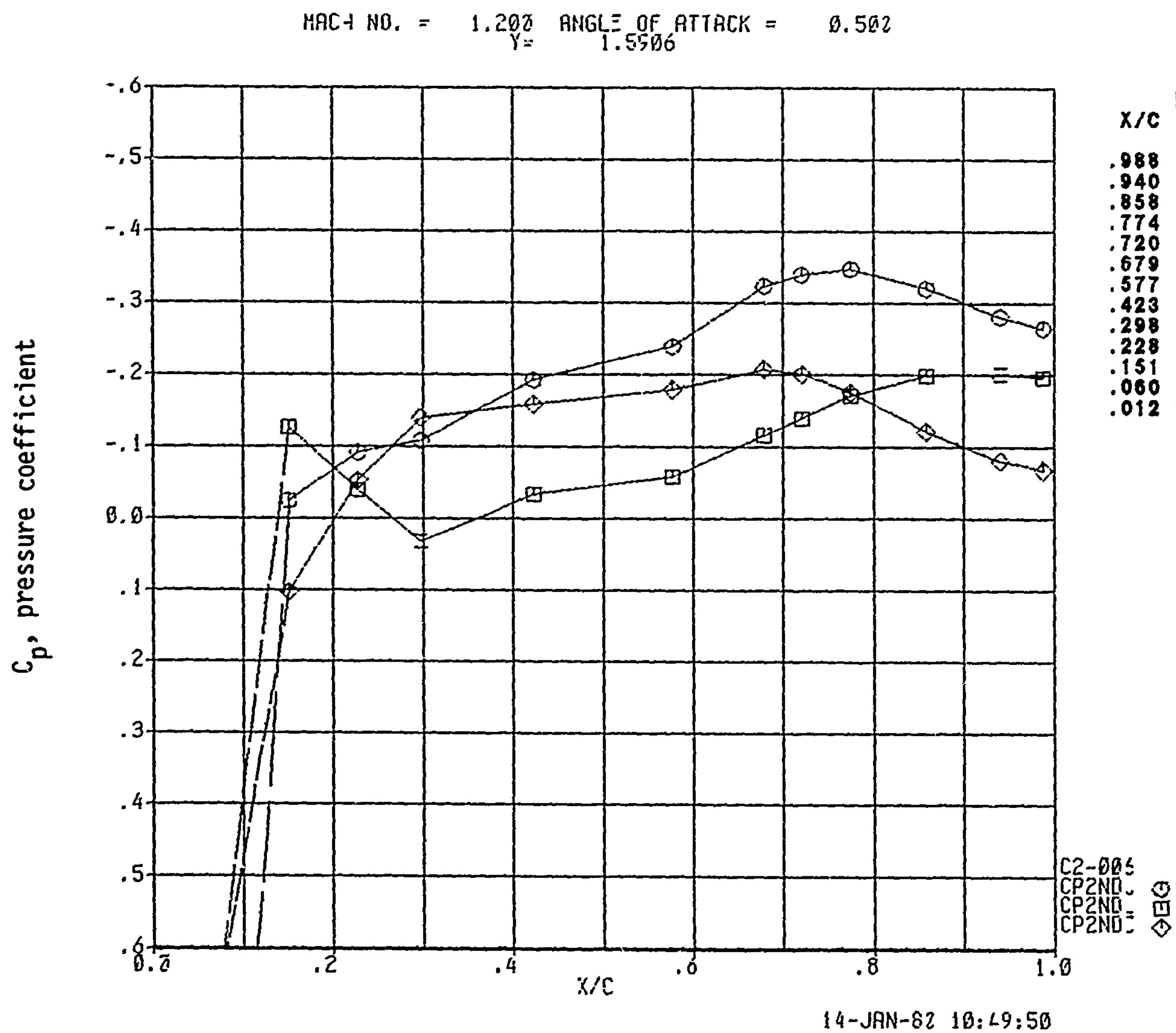

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2718 | -.1943 | -.0776 |
| .940 | -.2900 | -.1941 | -.0959 |
| .858 | -.2965 | -.1948 | -.1017 |
| .774 | -.2861 | -.2070 | -.0791 |
| .720 | -.2245 | -.1755 | -.0490 |
| .679 | -.1959 | -.1651 | -.0307 |
| .577 | -.1605 | -.1396 | -.0210 |
| .423 | -.1222 | -.0704 | -.0519 |
| .298 | -.0695 | -.0221 | -.0475 |
| .228 | 0.0026 | -.0609 | 0.0635 |
| .151 | 0.0520 | -.1605 | 0.2126 |
| .060 | 1.2704 | 0.4228 | 0.8477 |
| .012 | 3.5757 | 2.0031 | 1.5726 |

Figure 177, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2595 | -.2027 | -.0566 |
| .940 | -.2755 | -.2065 | -.0690 |
| .858 | -.3144 | -.2048 | -.1096 |
| .774 | -.3405 | -.1792 | -.1613 |
| .720 | -.3307 | -.1486 | -.1822 |
| .679 | -.3121 | -.1283 | -.1838 |
| .577 | -.2194 | -.0785 | -.1409 |
| .423 | -.1663 | -.0602 | -.1061 |
| .298 | -.0777 | 0.0015 | -.0792 |
| .228 | -.0588 | -.0719 | 0.0130 |
| .151 | 0.0154 | -.1671 | 0.1825 |
| .060 | 1.6055 | 0.7183 | 0.8872 |
| .012 | 3.4776 | 2.0600 | 1.4175 |

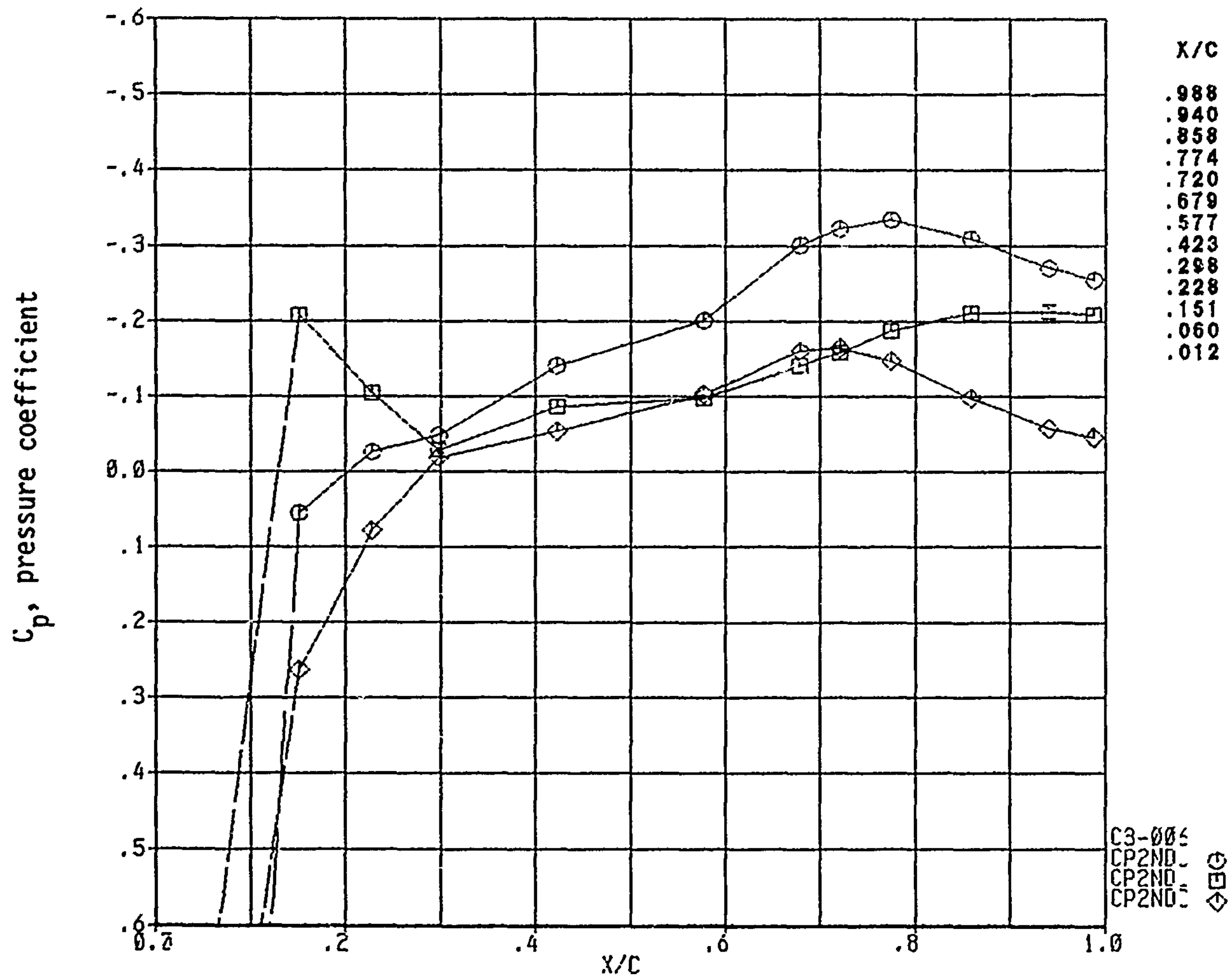
Figure 178, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2648 | -.1972 | -.0675 |
| .940 | -.2810 | -.2008 | -.0802 |
| .858 | -.3200 | -.1987 | -.1212 |
| .774 | -.3471 | -.1719 | -.1752 |
| .720 | -.3393 | -.1390 | -.2003 |
| .679 | -.3234 | -.1163 | -.2071 |
| .577 | -.2384 | -.0590 | -.1794 |
| .423 | -.1925 | -.0338 | -.1587 |
| .298 | -.1077 | 0.0318 | -.1395 |
| .228 | -.0913 | -.0389 | -.0523 |
| .151 | -.0244 | -.1267 | 0.1024 |
| .060 | 1.5394 | 0.7845 | 0.7548 |
| .012 | 3.3946 | 2.1430 | 1.2516 |

Figure 179, Chordwise Pressure Distribution, Steady, Configuration 1

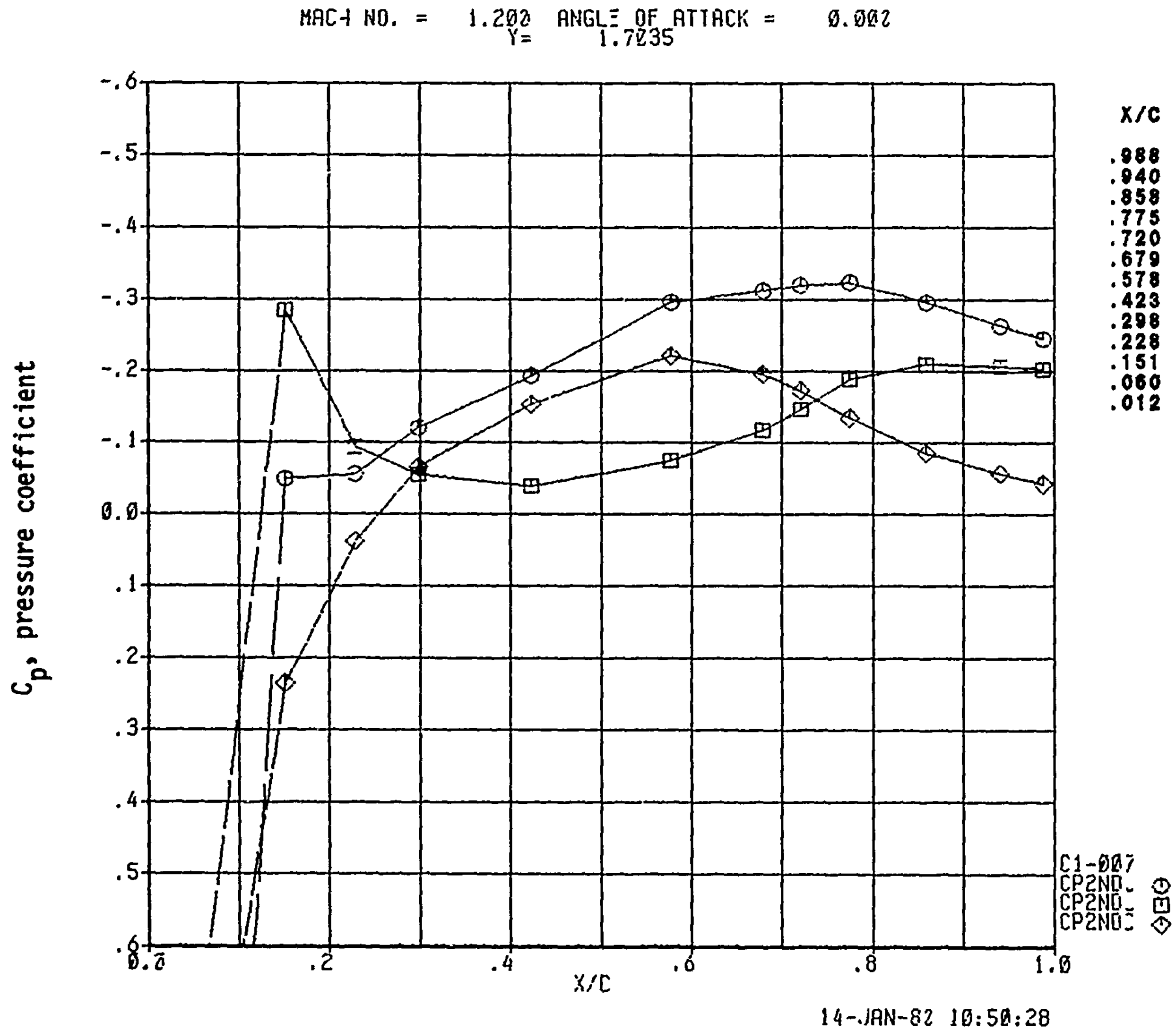
MACH NO. = 1.202 ANGLE OF ATTACK = -0.502
Y= 1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2545 | -.2087 | -.0458 |
| .940 | -.2705 | -.2127 | -.0577 |
| .858 | -.3091 | -.2113 | -.0980 |
| .774 | -.3343 | -.1869 | -.1474 |
| .720 | -.3223 | -.1583 | -.1640 |
| .679 | -.3012 | -.1407 | -.1605 |
| .577 | -.2006 | -.0982 | -.1023 |
| .423 | -.1402 | -.0866 | -.0535 |
| .298 | -.0478 | -.0289 | -.0189 |
| .228 | -.0265 | -.1049 | 0.0784 |
| .151 | 0.0551 | -.2075 | 0.2627 |
| .060 | 1.6716 | 0.6521 | 1.0196 |
| .012 | 3.5605 | 1.9771 | 1.5834 |

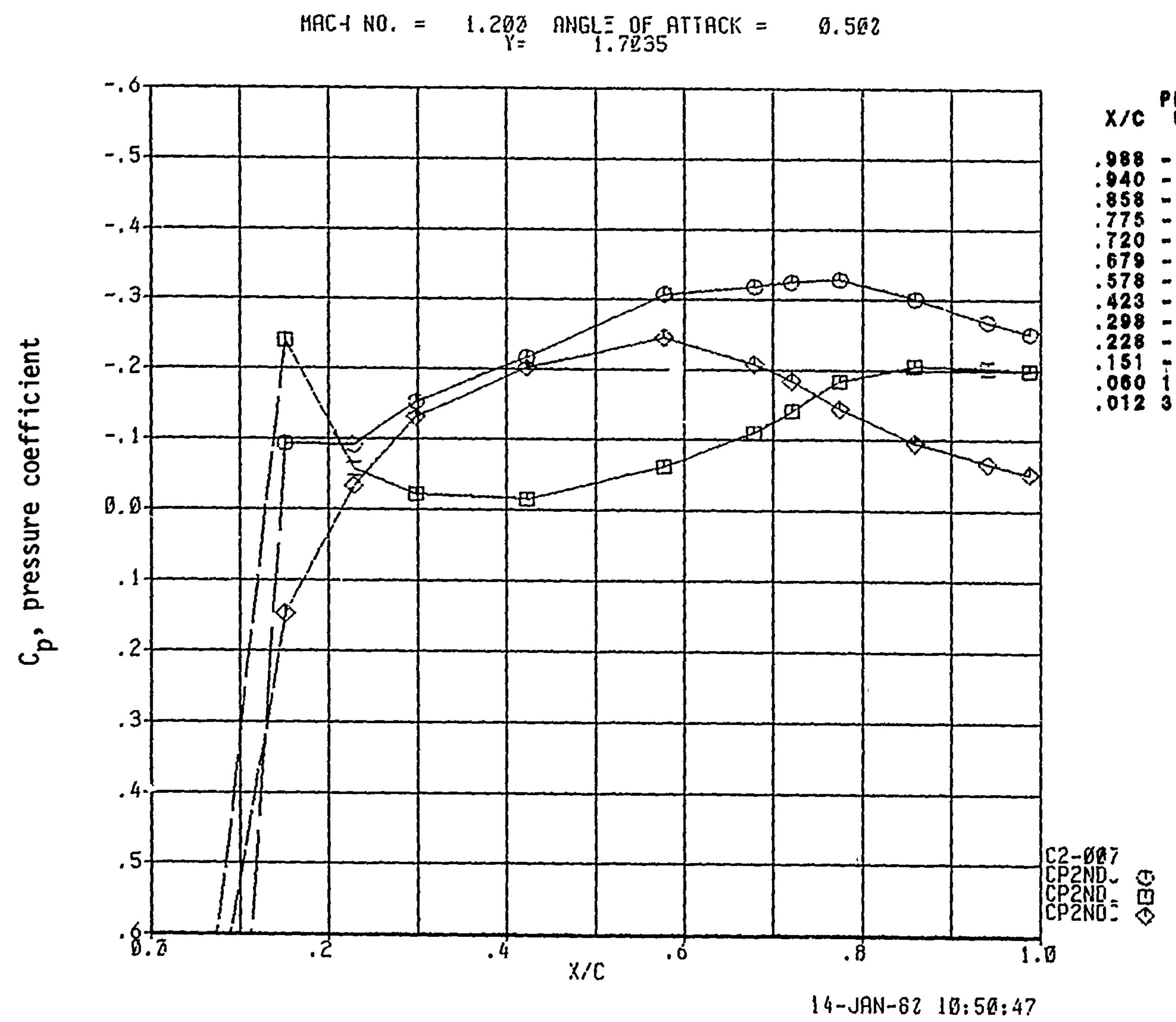
14-JAN-82 10:50:07

Figure 180, Chordwise Pressure Distribution, Steady, Configuration 1



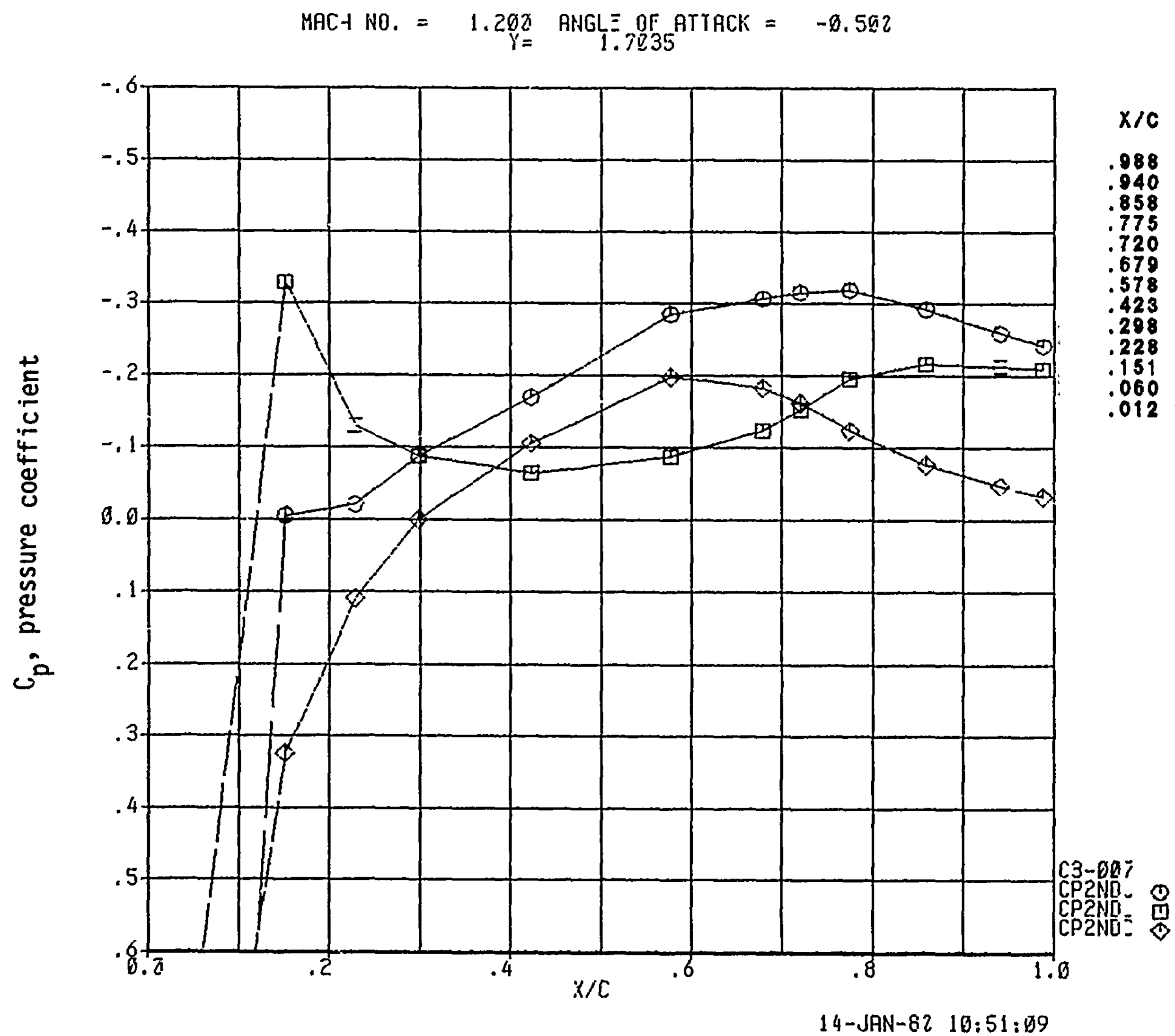

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2459 | -.2035 | -.0423 |
| .940 | -.2635 | -.2071 | -.0565 |
| .858 | -.2962 | -.2108 | -.0854 |
| .775 | -.3232 | -.1891 | -.1341 |
| .720 | -.3198 | -.1469 | -.1729 |
| .679 | -.3123 | -.1168 | -.1954 |
| .578 | -.2958 | -.0748 | -.2210 |
| .423 | -.1933 | -.0396 | -.1537 |
| .298 | -.1204 | -.0548 | -.0656 |
| .228 | -.0557 | -.0935 | 0.0378 |
| .151 | -.0491 | -.2842 | 0.2352 |
| .060 | 1.6226 | 0.6753 | 0.9473 |
| .012 | 3.4923 | 2.0881 | 1.4042 |

Figure 181, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2508 | -.1986 | -.0522 |
| .940 | -.2682 | -.2021 | -.0660 |
| .858 | -.3010 | -.2057 | -.0953 |
| .775 | -.3281 | -.1837 | -.1444 |
| .720 | -.3249 | -.1411 | -.1838 |
| .679 | -.3182 | -.1101 | -.2081 |
| .578 | -.3072 | -.0625 | -.2448 |
| .423 | -.2171 | -.0151 | -.2021 |
| .298 | -.1528 | -.0219 | -.1309 |
| .226 | -.0912 | -.0575 | -.0336 |
| .151 | -.0926 | -.2396 | 0.1470 |
| .060 | 1.5528 | 0.7453 | 0.8074 |
| .012 | 3.4101 | 2.1701 | 1.2400 |

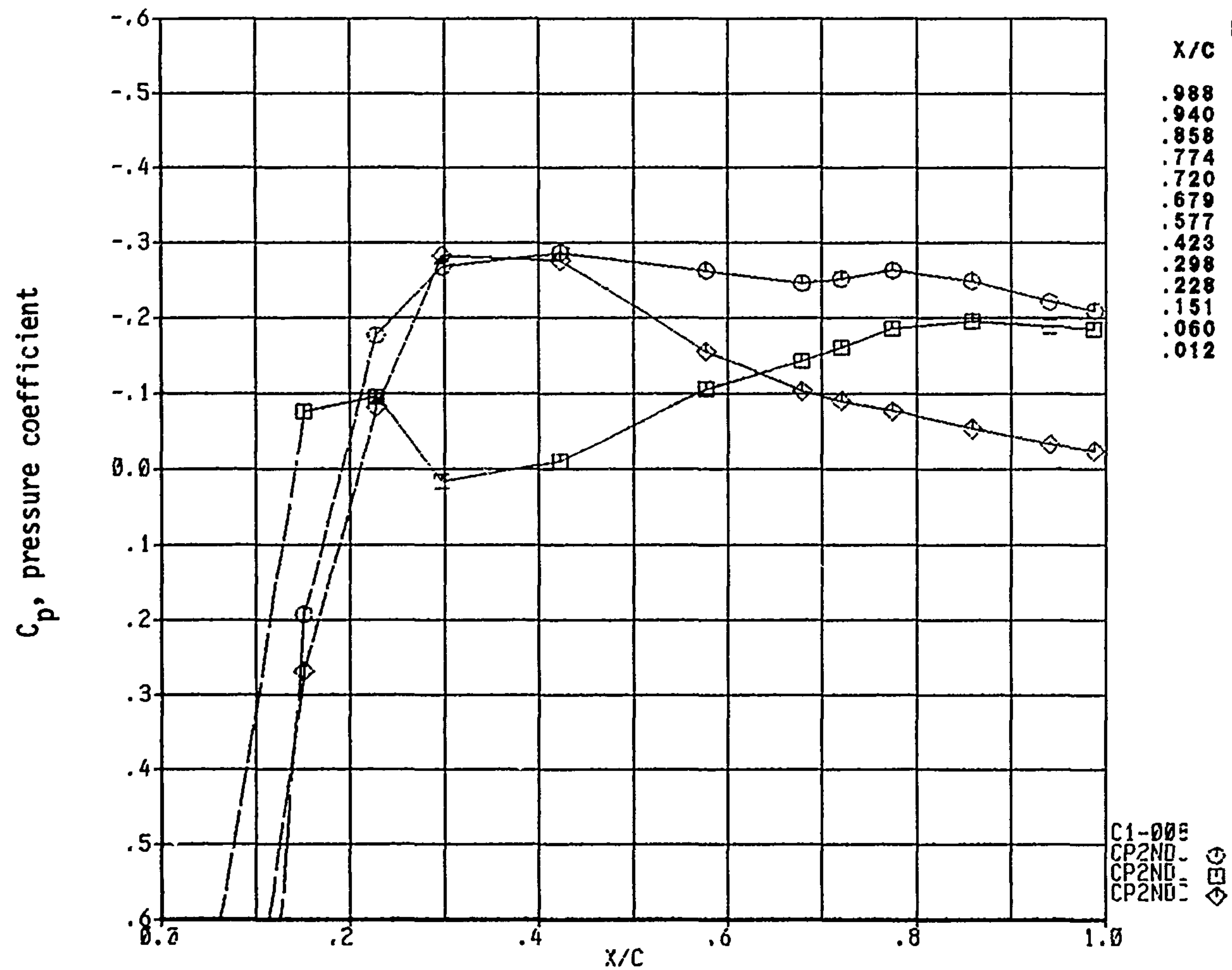
Figure 182, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2416 | -.2091 | -.0325 |
| .940 | -.2593 | -.2125 | -.0469 |
| .858 | -.2920 | -.2164 | -.0756 |
| .775 | -.3189 | -.1951 | -.1239 |
| .720 | -.3152 | -.1532 | -.1620 |
| .679 | -.3067 | -.1240 | -.1828 |
| .578 | -.2848 | -.0875 | -.1973 |
| .423 | -.1698 | -.0643 | -.1054 |
| .298 | -.0879 | -.0877 | -.0002 |
| .228 | -.0202 | -.1295 | 0.1093 |
| .151 | -.0053 | -.3287 | 0.3233 |
| .060 | 1.6924 | 0.6053 | 1.0871 |
| .012 | 3.5745 | 2.0060 | 1.5684 |

Figure 183, Chordwise Pressure Distribution, Steady, Configuration 1

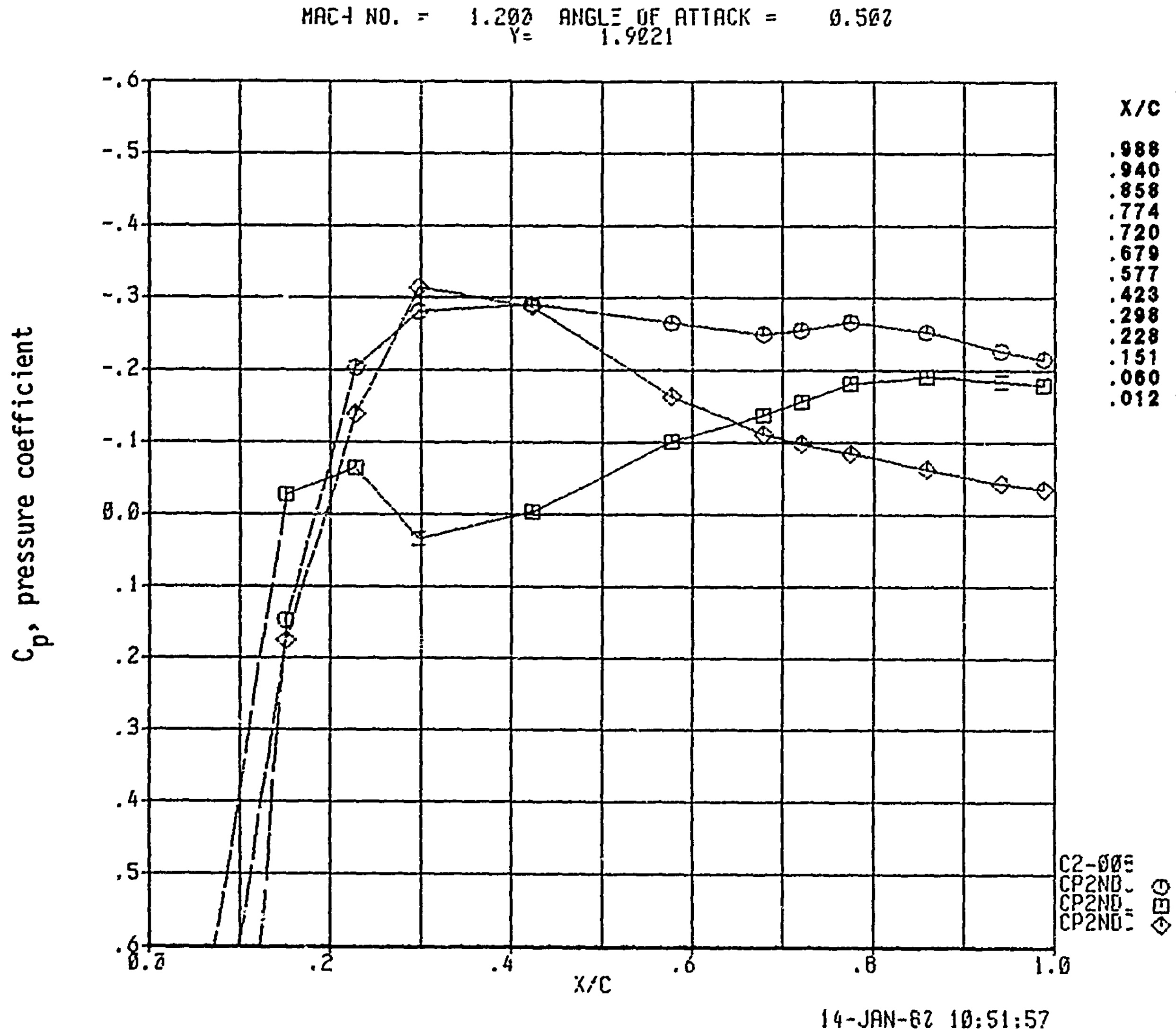
MACH NO. = 1.200 ANGLE OF ATTACK = 0.002
Y= 1.9221




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2093 | -.1850 | -.0243 |
| .940 | -.2214 | -.1886 | -.0328 |
| .858 | -.2484 | -.1947 | -.0536 |
| .774 | -.2628 | -.1858 | -.0770 |
| .720 | -.2513 | -.1613 | -.0900 |
| .679 | -.2460 | -.1430 | -.1029 |
| .577 | -.2620 | -.1063 | -.1558 |
| .423 | -.2866 | -.0107 | -.2759 |
| .298 | -.2671 | 0.0155 | -.2826 |
| .228 | -.1766 | -.0950 | -.0815 |
| .151 | 0.1924 | -.0758 | 0.2682 |
| .060 | 1.6921 | 0.6175 | 1.0746 |
| .012 | 3.4695 | 2.1106 | 1.3589 |

14-JAN-82 10:51:30

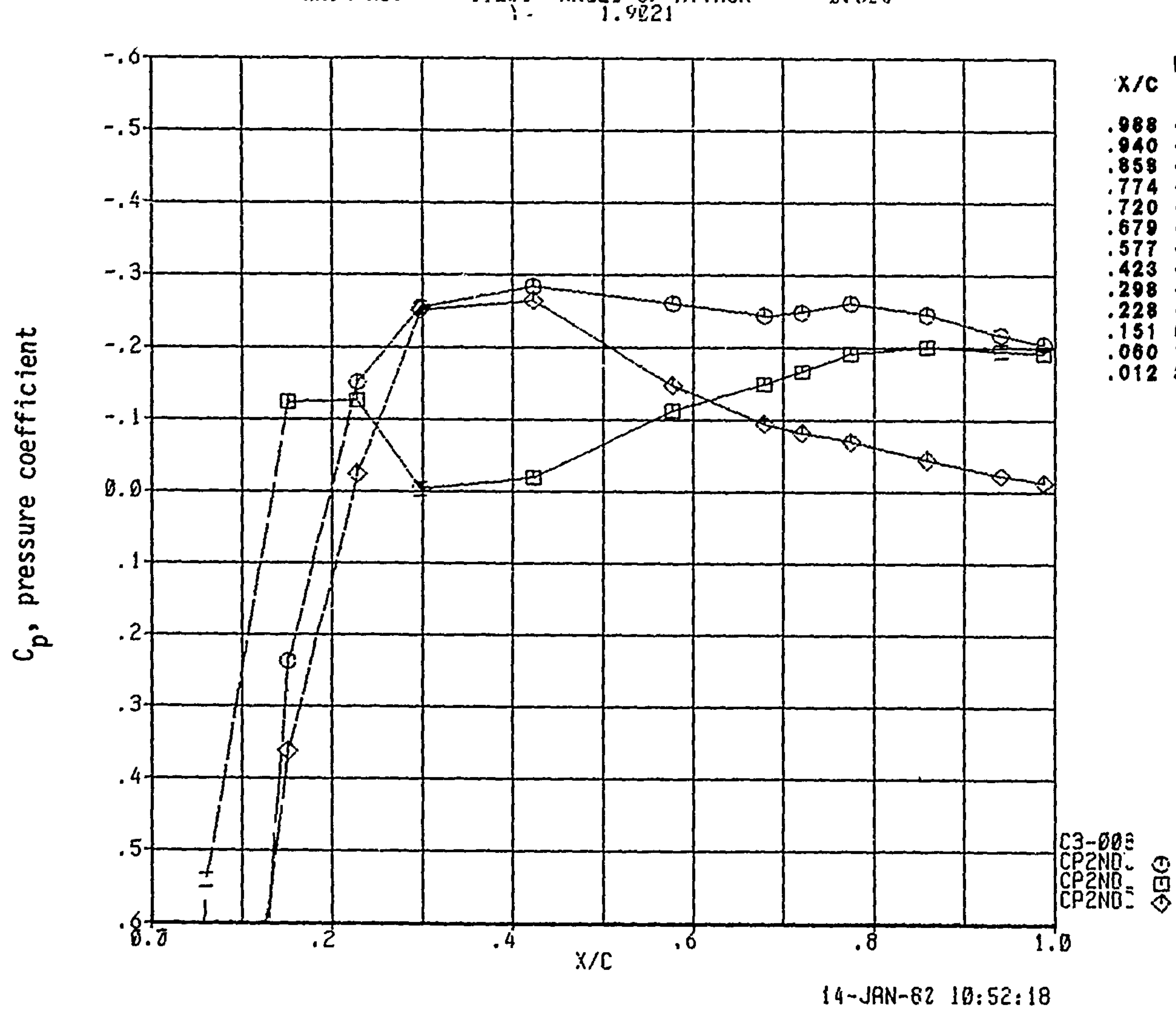
Figure 184, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2149 | -.1795 | -.0354 |
| .940 | -.2265 | -.1835 | -.0431 |
| .858 | -.2527 | -.1903 | -.0624 |
| .774 | -.2663 | -.1817 | -.0846 |
| .720 | -.2549 | -.1567 | -.0982 |
| .679 | -.2497 | -.1381 | -.1116 |
| .577 | -.2650 | -.1011 | -.1638 |
| .423 | -.2903 | -.0029 | -.2875 |
| .298 | -.2802 | 0.0333 | -.3136 |
| .228 | -.2030 | -.0643 | -.1387 |
| .151 | 0.1470 | -.0277 | 0.1747 |
| .060 | 1.6153 | 0.6943 | 0.9210 |
| .012 | 3.3898 | 2.1905 | 1.1993 |

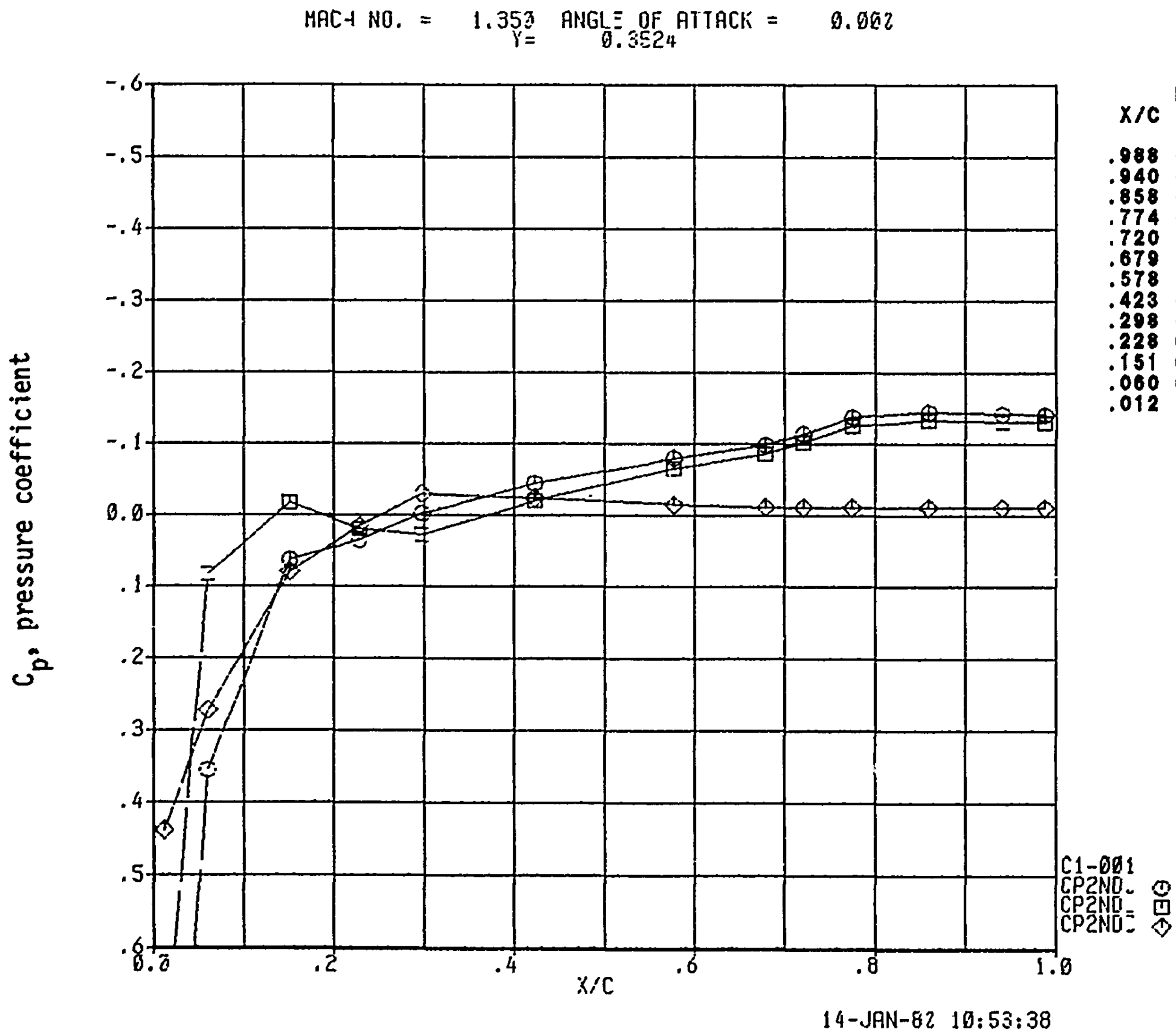
Figure 185, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. - 1.200 ANGLE OF ATTACK = -0.502



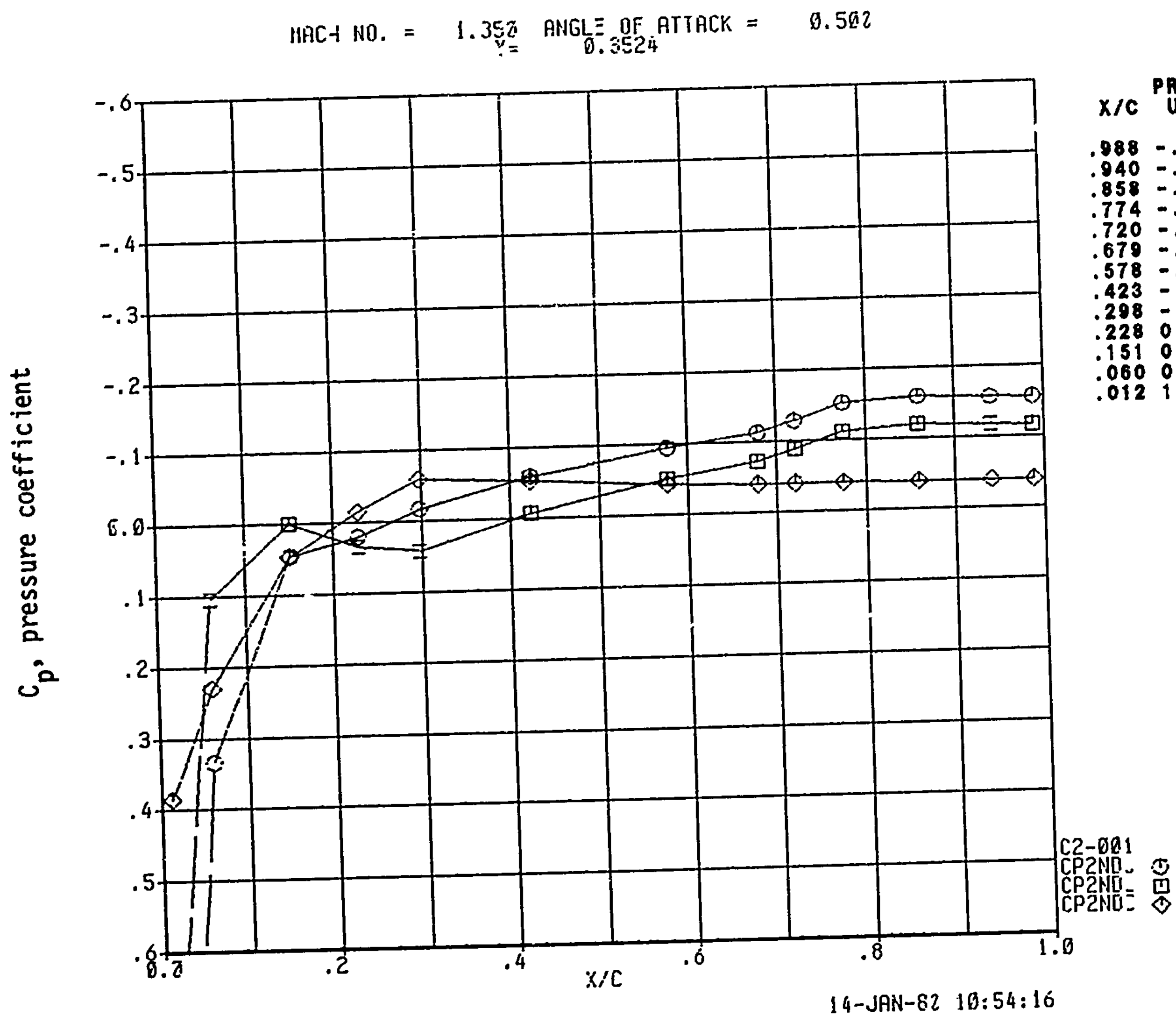

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2050 | -.1918 | -.0132 |
| .940 | -.2176 | -.1951 | -.0225 |
| .859 | -.2454 | -.2006 | -.0448 |
| .774 | -.2607 | -.1912 | -.0695 |
| .720 | -.2490 | -.1673 | -.0818 |
| .679 | -.2437 | -.1493 | -.0944 |
| .577 | -.2604 | -.1127 | -.1477 |
| .423 | -.2840 | -.0196 | -.2645 |
| .298 | -.2548 | -.0032 | -.2515 |
| .228 | -.1509 | -.1264 | -.0244 |
| .151 | 0.2375 | -.1241 | 0.3616 |
| .060 | 1.7690 | 0.5407 | 1.2283 |
| .012 | 3.5493 | 2.0308 | 1.5185 |

Figure 186, Chordwise Pressure Distribution, Steady, Configuration 1



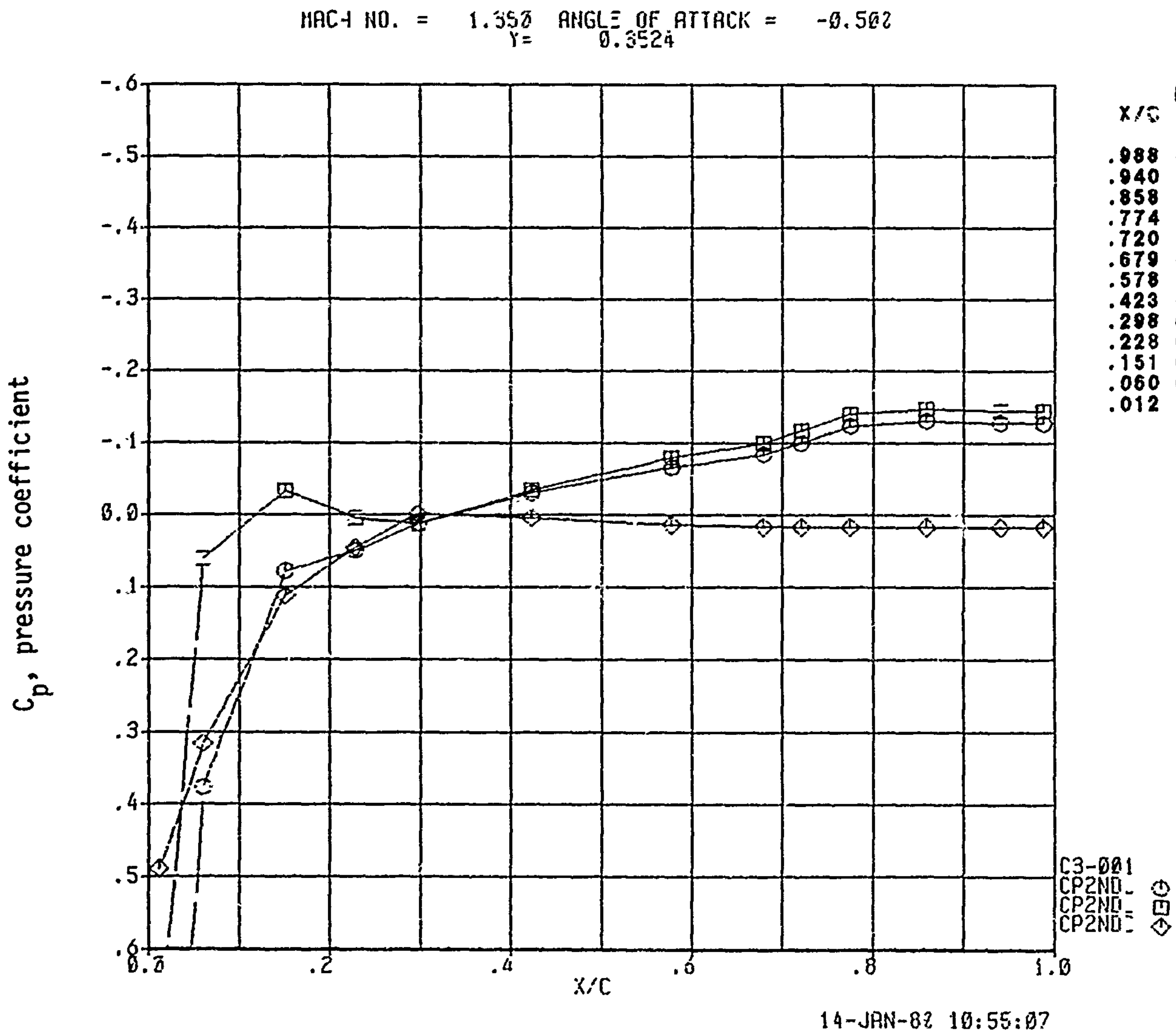

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1411 | -.1303 | -.0109 |
| .940 | -.1419 | -.1309 | -.0110 |
| .858 | -.1445 | -.1333 | -.0113 |
| .774 | -.1373 | -.1256 | -.0117 |
| .720 | -.1142 | -.1024 | -.0118 |
| .679 | -.0985 | -.0862 | -.0123 |
| .578 | -.0796 | -.0650 | -.0145 |
| .423 | -.0449 | -.0207 | -.0243 |
| .298 | -.0024 | 0.0274 | -.0298 |
| .228 | 0.0350 | 0.0199 | 0.0151 |
| .151 | 0.0620 | -.0172 | 0.0792 |
| .060 | 0.3545 | 0.0825 | 0.2720 |
| .012 | 1.1828 | 0.7457 | 0.4372 |

Figure 187, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1554 | -.1161 | -.0392 |
| .940 | -.1560 | -.1167 | -.0393 |
| .858 | -.1588 | -.1192 | -.0396 |
| .774 | -.1515 | -.1115 | -.0400 |
| .720 | -.1284 | -.0883 | -.0402 |
| .679 | -.1126 | -.0721 | -.0406 |
| .578 | -.0937 | -.0508 | -.0428 |
| .423 | -.0592 | -.0064 | -.0528 |
| .298 | -.0168 | 0.0420 | -.0587 |
| .228 | 0.0203 | 0.0350 | -.0148 |
| .151 | 0.0460 | -.0007 | 0.0467 |
| .060 | 0.3332 | 0.1041 | 0.2292 |
| .012 | 1.1570 | 0.7715 | 0.3855 |

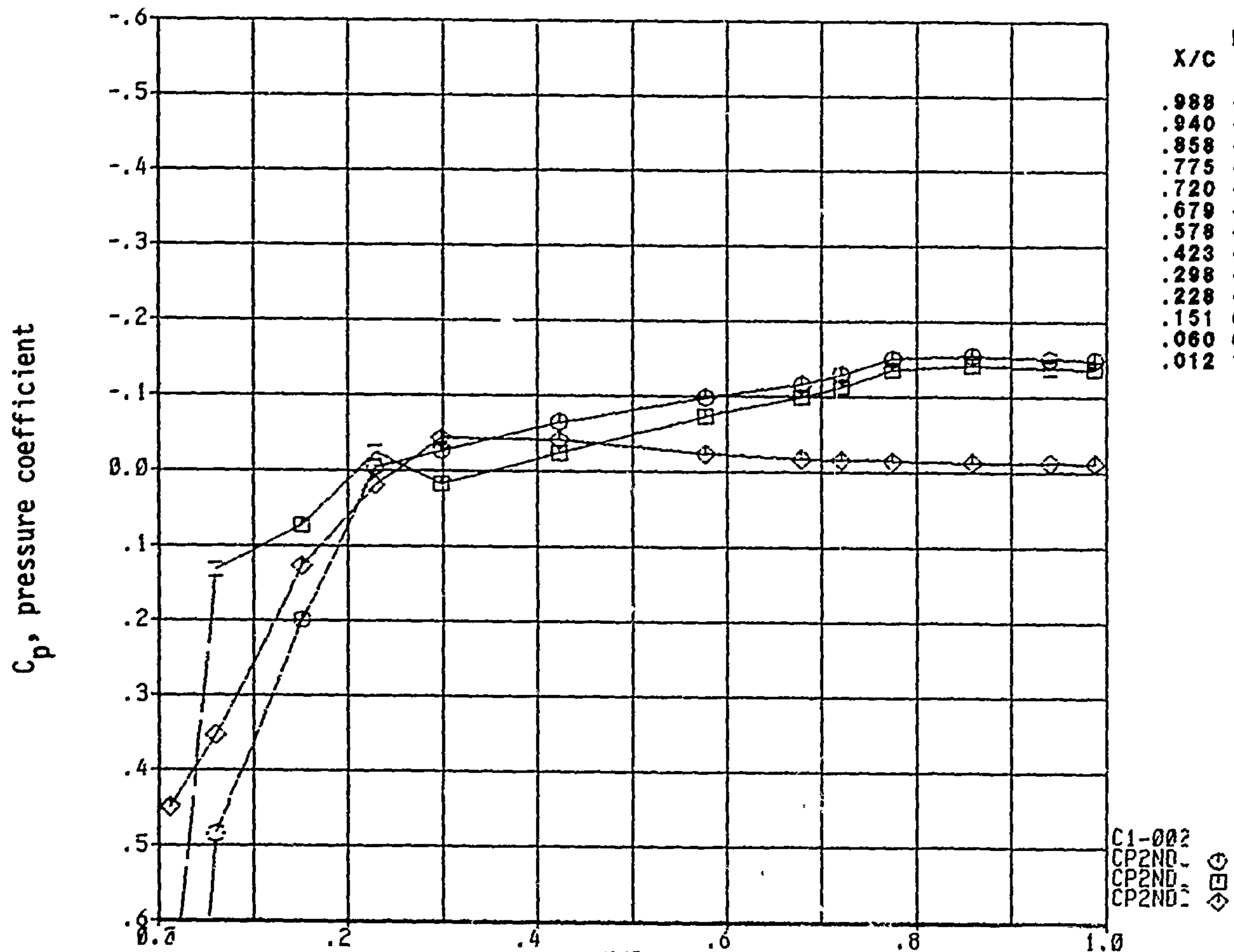
Figure 188, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1271 | -.1446 | 0.0175 |
| .940 | -.1277 | -.1451 | 0.0174 |
| .858 | -.1305 | -.1476 | 0.0171 |
| .774 | -.1232 | -.1399 | 0.0167 |
| .720 | -.1001 | -.1167 | 0.0165 |
| .679 | -.0844 | -.1005 | 0.0161 |
| .578 | -.0655 | -.0792 | 0.0137 |
| .423 | -.0308 | -.0350 | 0.0042 |
| .298 | 0.0119 | 0.0128 | -.0008 |
| .228 | 0.0497 | 0.0047 | 0.0449 |
| .151 | 0.0779 | -.0337 | 0.1116 |
| .060 | 0.3756 | 0.0608 | 0.3150 |
| .012 | 1.2087 | 0.7199 | 0.4888 |

Figure 189, Chordwise Pressure Distribution, Steady, Configuration 1

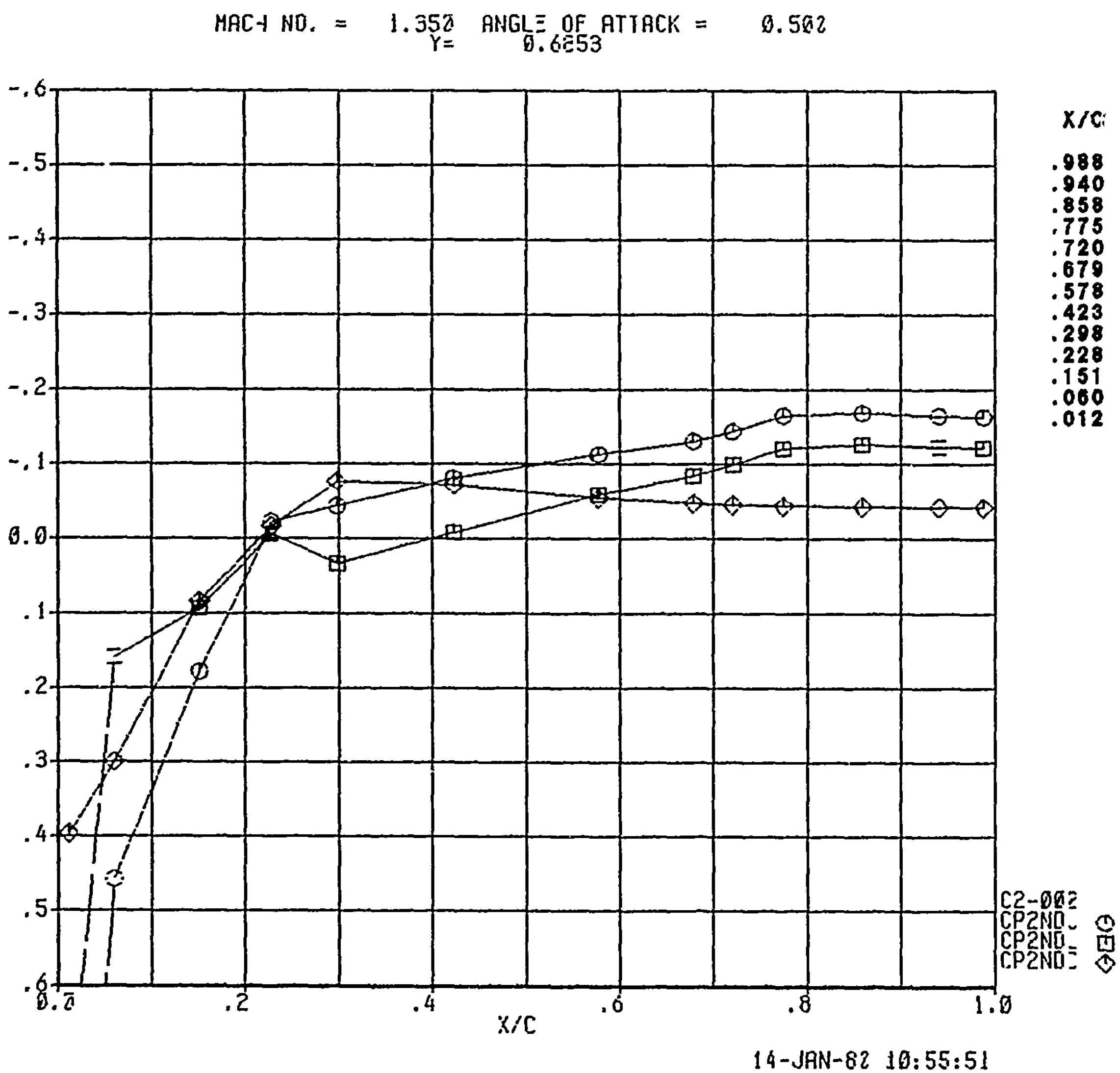
MACH NO. = 1.350 ANGLE OF ATTACK = 0.002
Y= 0.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1486 | -.1367 | -.0120 |
| .940 | -.1500 | -.1375 | -.0125 |
| .858 | -.1542 | -.1412 | -.0132 |
| .775 | -.1499 | -.1355 | -.0144 |
| .720 | -.1288 | -.1130 | -.0157 |
| .679 | -.1158 | -.0984 | -.0174 |
| .578 | -.0979 | -.0739 | -.0239 |
| .423 | -.0648 | -.0240 | -.0407 |
| .298 | -.0270 | 0.0165 | -.0436 |
| .228 | -.0047 | -.0240 | 0.0193 |
| .151 | 0.1985 | 0.0719 | 0.1267 |
| .060 | 0.4842 | 0.1319 | 0.3523 |
| .012 | 1.1892 | 0.7404 | 0.4488 |

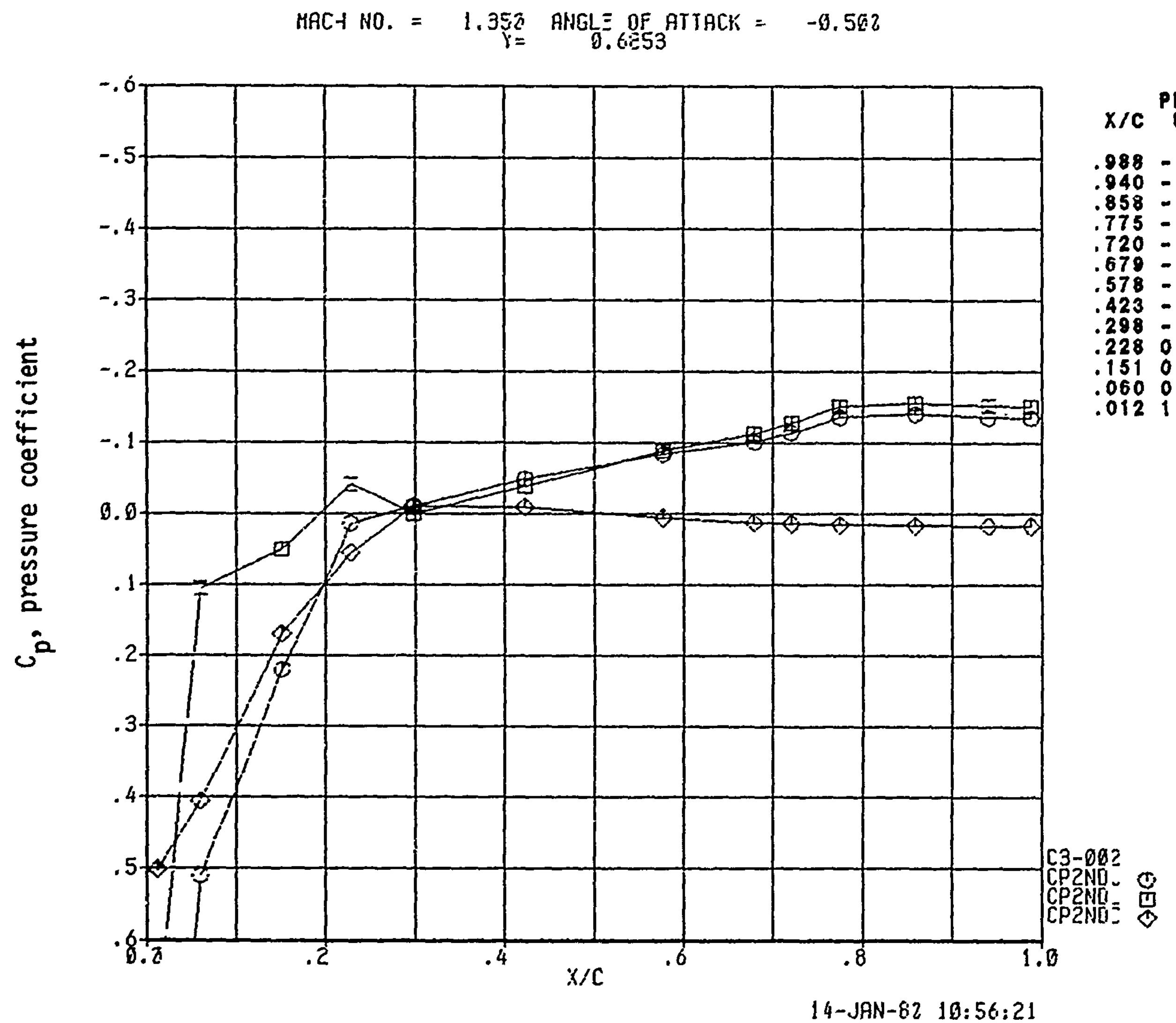
14-JAN-82 10:55:29

Figure 190, Chordwise Pressure Distribution, Steady, Configuration 1



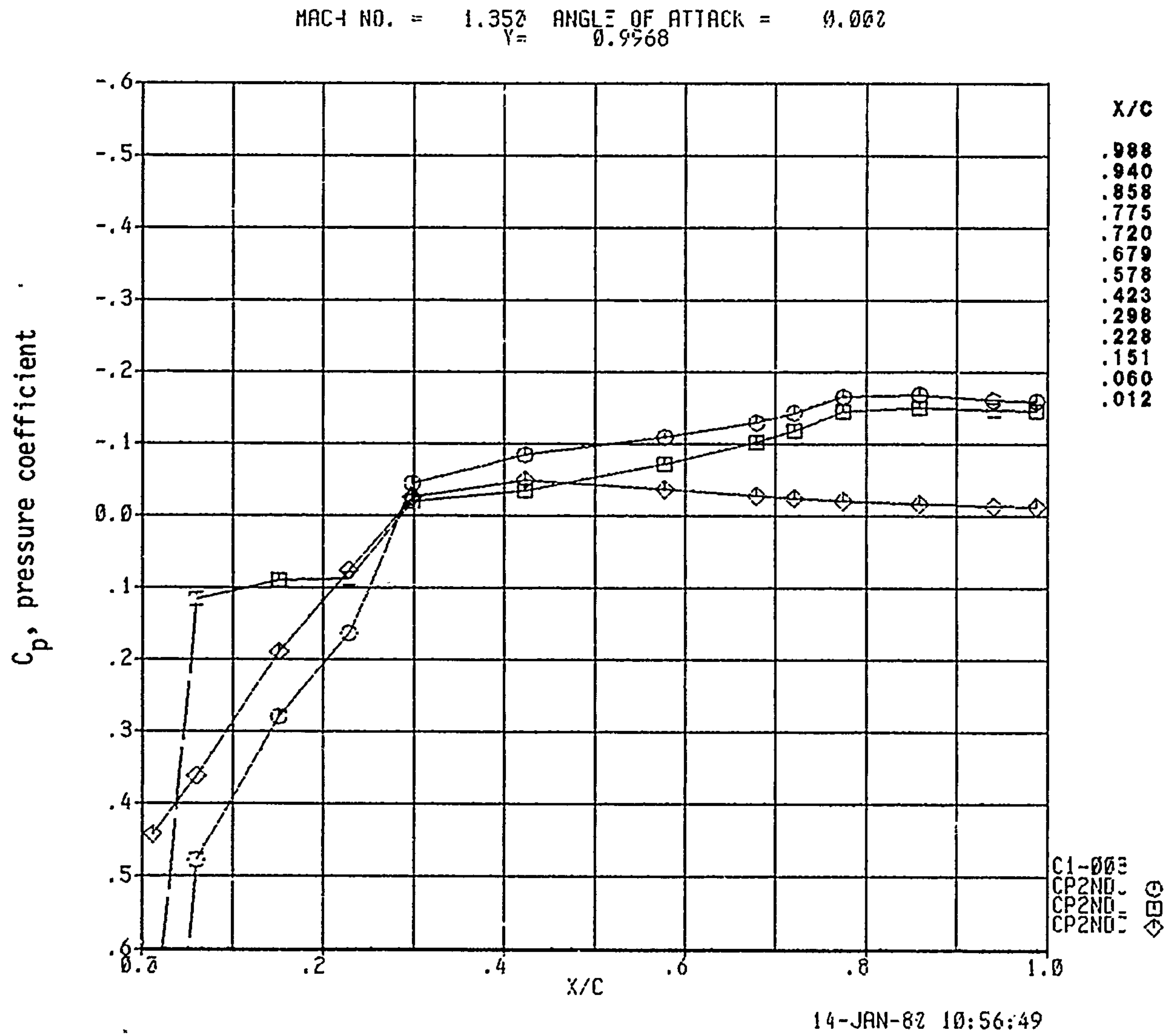

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1631 | -.1222 | -.0409 |
| .940 | -.1644 | -.1230 | -.0414 |
| .858 | -.1688 | -.1266 | -.0422 |
| .775 | -.1645 | -.1209 | -.0436 |
| .720 | -.1434 | -.0984 | -.0451 |
| .679 | -.1305 | -.0838 | -.0468 |
| .578 | -.1127 | -.0590 | -.0537 |
| .423 | -.0801 | -.0085 | -.0717 |
| .298 | -.0433 | 0.0330 | -.0764 |
| .228 | -.0224 | -.0060 | -.0163 |
| .151 | 0.1771 | 0.0935 | 0.0836 |
| .060 | 0.4577 | 0.1584 | 0.2993 |
| .012 | 1.1627 | 0.7669 | 0.3958 |

Figure 191, Chordwise Pressure Distribution, Steady, Configuration 1



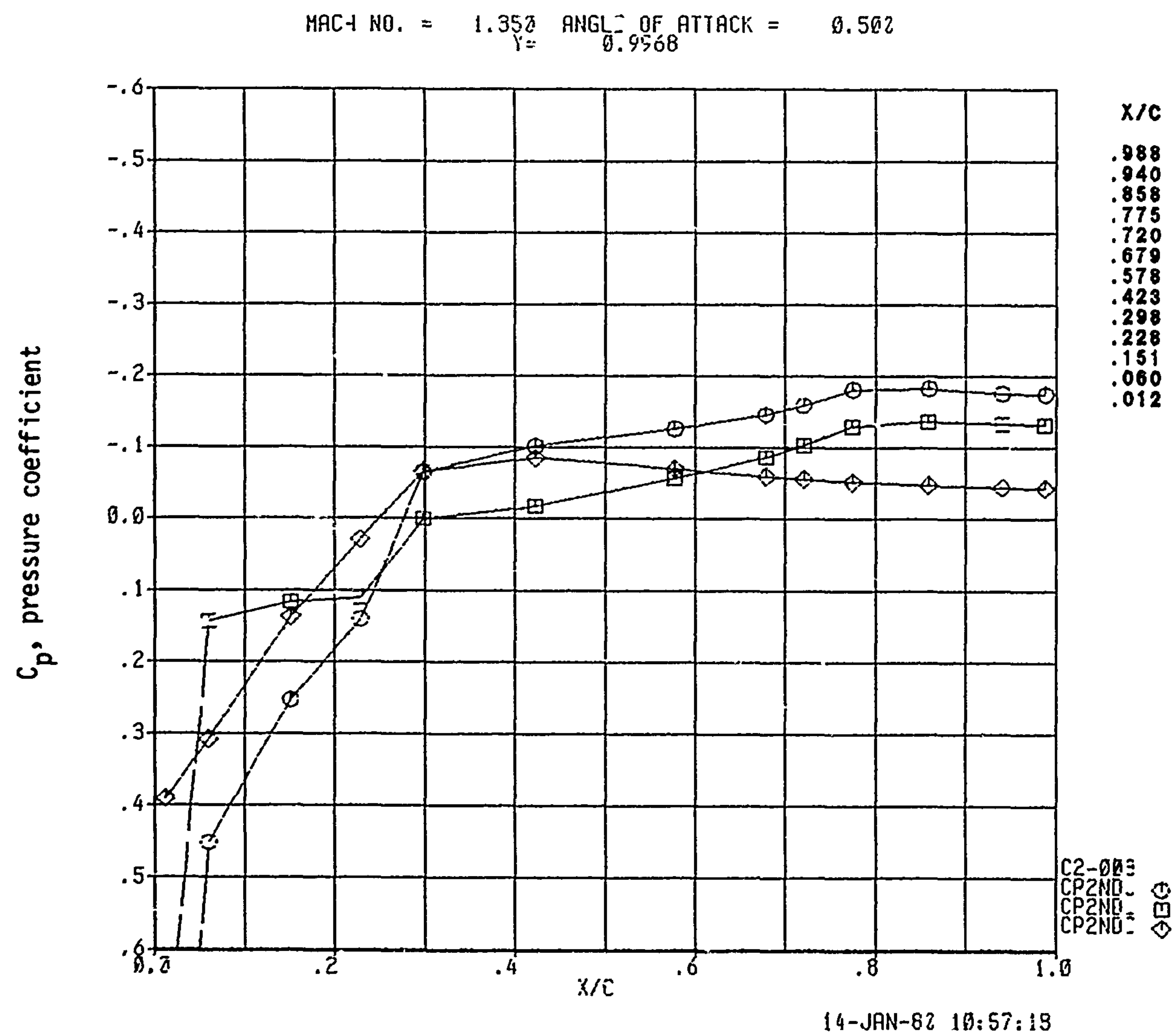

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1343 | -.1512 | 0.0170 |
| .940 | -.1356 | -.1520 | 0.0165 |
| .858 | -.1398 | -.1558 | 0.0160 |
| .775 | -.1353 | -.1503 | 0.0149 |
| .720 | -.1142 | -.1278 | 0.0135 |
| .679 | -.1012 | -.1133 | 0.0120 |
| .578 | -.0832 | -.0889 | 0.0057 |
| .423 | -.0495 | -.0396 | -.0098 |
| .298 | -.0108 | -.0001 | -.0107 |
| .228 | 0.0129 | -.0421 | 0.0550 |
| .151 | 0.2199 | 0.0501 | 0.1698 |
| .060 | 0.5107 | 0.1054 | 0.4054 |
| .012 | 1.2157 | 0.7139 | 0.5017 |

Figure 192 , Chordwise Pressure Distribution, Steady, Configuration 1



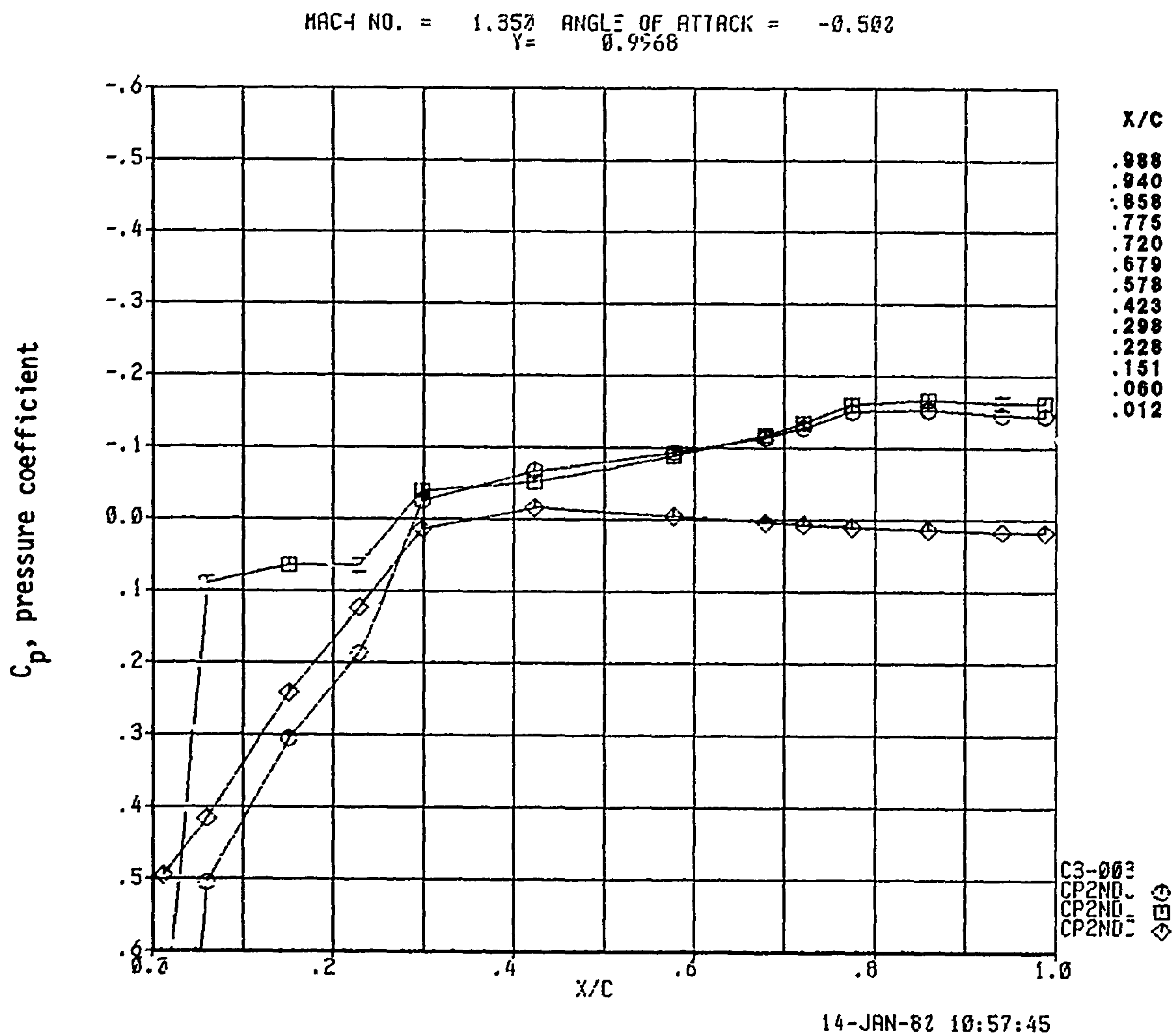

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1589 | -.1464 | -.0125 |
| .940 | -.1606 | -.1470 | -.0136 |
| .858 | -.1675 | -.1507 | -.0169 |
| .775 | -.1653 | -.1444 | -.0208 |
| .720 | -.1431 | -.1185 | -.0246 |
| .679 | -.1293 | -.1018 | -.0276 |
| .578 | -.1091 | -.0723 | -.0367 |
| .423 | -.0846 | -.0345 | -.0502 |
| .298 | -.0450 | -.0193 | -.0257 |
| .228 | 0.1631 | 0.0873 | 0.0757 |
| .151 | 0.2789 | 0.0901 | 0.1888 |
| .060 | 0.4777 | 0.1161 | 0.3615 |
| .012 | 1.1860 | 0.7435 | 0.4425 |

Figure 193, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1742 | -.1312 | -.0429 |
| .940 | -.1758 | -.1318 | -.0440 |
| .858 | -.1828 | -.1354 | -.0474 |
| .775 | -.1806 | -.1290 | -.0516 |
| .720 | -.1586 | -.1029 | -.0557 |
| .679 | -.1450 | -.0860 | -.0589 |
| .578 | -.1251 | -.0562 | -.0690 |
| .423 | -.1018 | -.0170 | -.0848 |
| .298 | -.0646 | 0.0007 | -.0653 |
| .228 | 0.1398 | 0.1108 | 0.0290 |
| .151 | 0.2529 | 0.1160 | 0.1369 |
| .060 | 0.4508 | 0.1430 | 0.3078 |
| .012 | 1.1598 | 0.7697 | 0.3901 |

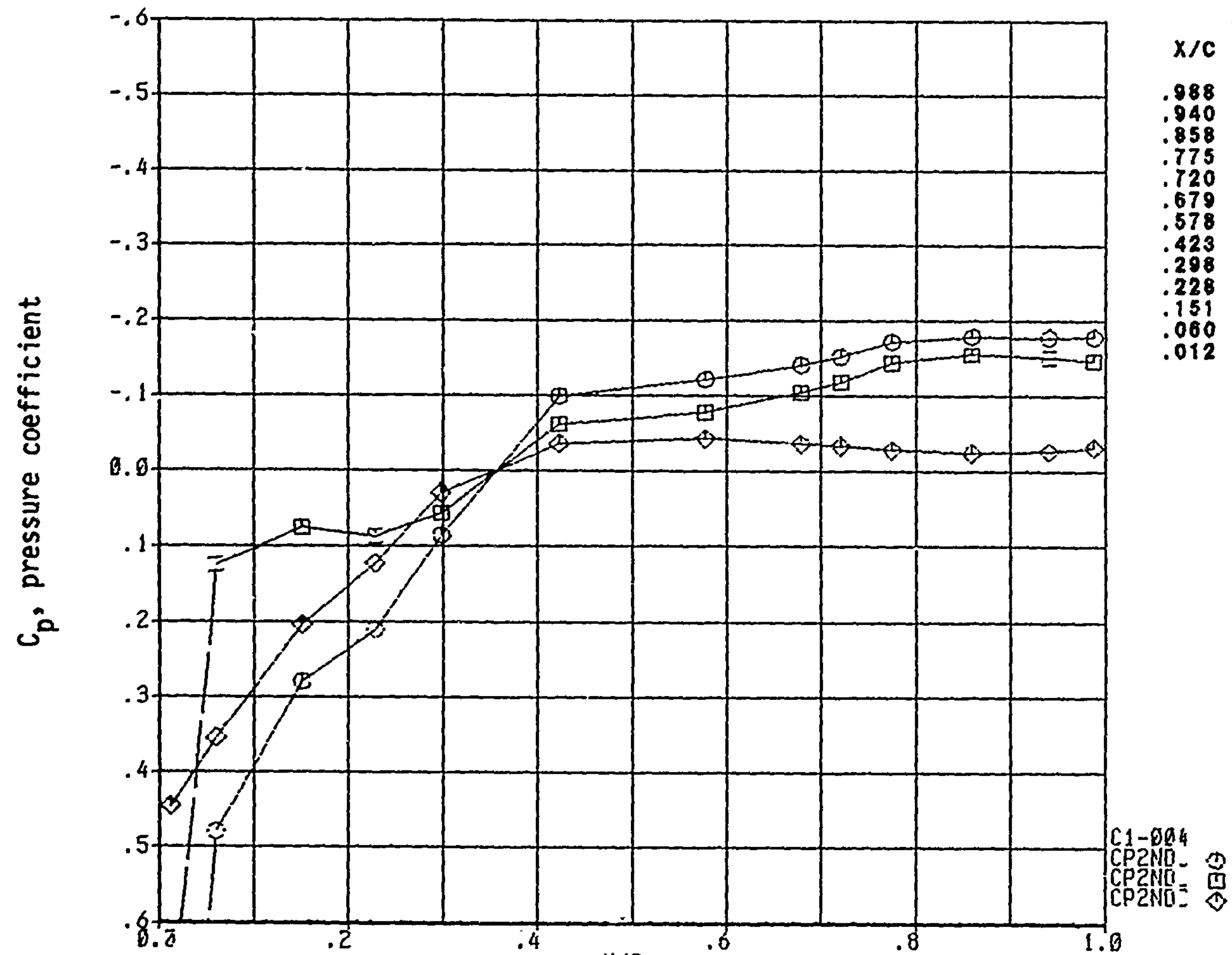
Figure 194, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1439 | -.1616 | 0.0178 |
| .940 | -.1455 | -.1623 | 0.0168 |
| .858 | -.1524 | -.1660 | 0.0136 |
| .775 | -.1500 | -.1599 | 0.0099 |
| .720 | -.1277 | -.1341 | 0.0065 |
| .679 | -.1138 | -.1175 | 0.0037 |
| .578 | -.0931 | -.0886 | -.0045 |
| .423 | -.0674 | -.0520 | -.0155 |
| .298 | -.0253 | -.0392 | 0.0139 |
| .228 | 0.1863 | 0.0639 | 0.1224 |
| .151 | 0.3048 | 0.0641 | 0.2407 |
| .060 | 0.5045 | 0.0893 | 0.4152 |
| .012 | 1.2122 | 0.7172 | 0.4951 |

Figure 195, Chordwise Pressure Distribution, Steady, Configuration 1

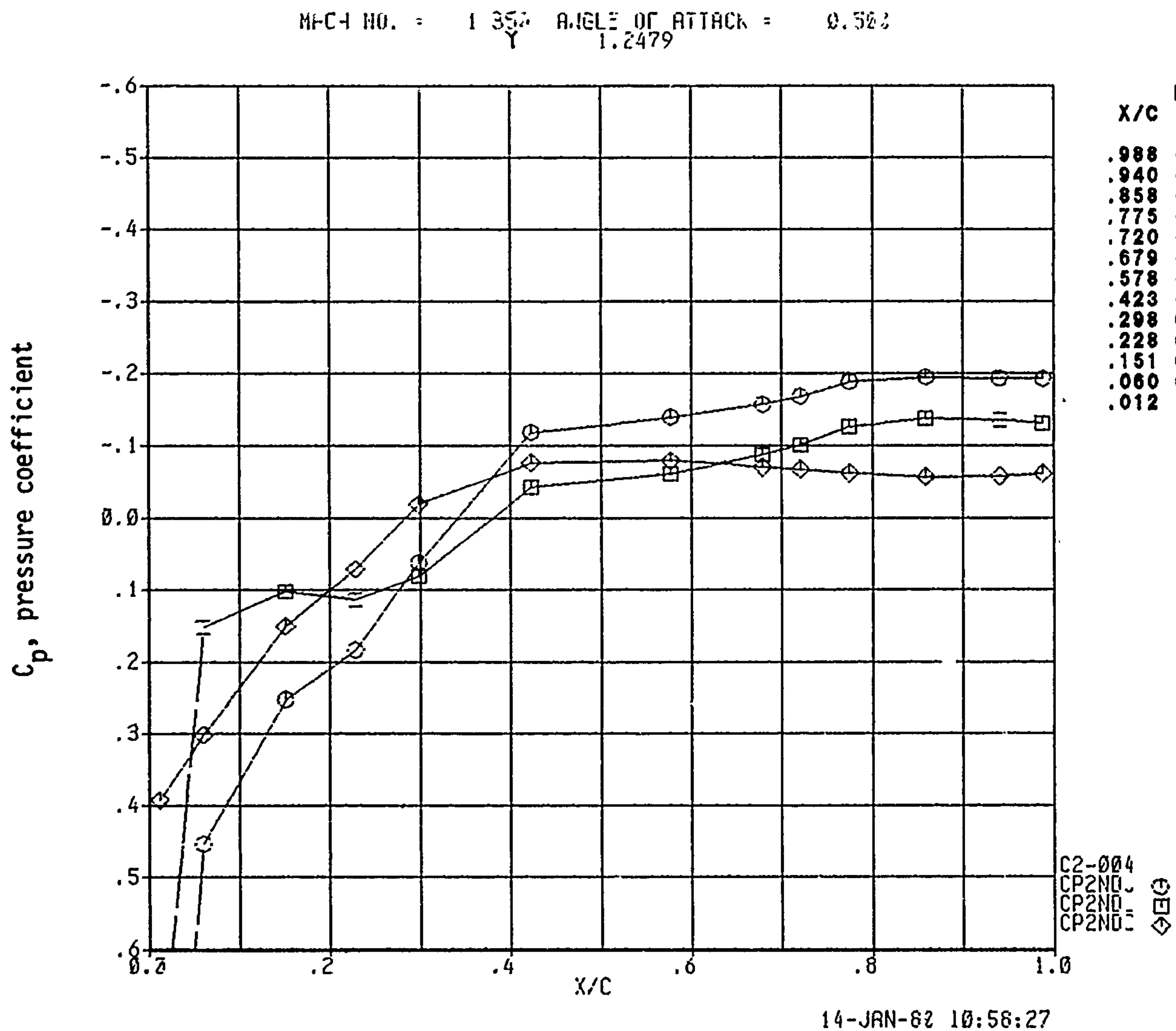
MACH NO. = 1.350 ANGLE OF ATTACK = 0.002
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1776 | -.1461 | -.0314 |
| .940 | -.1772 | -.1509 | -.0262 |
| .858 | -.1783 | -.1544 | -.0240 |
| .775 | -.1717 | -.1434 | -.0283 |
| .720 | -.1514 | -.1182 | -.0332 |
| .679 | -.1403 | -.1041 | -.0362 |
| .578 | -.1215 | -.0783 | -.0432 |
| .423 | -.0988 | -.0628 | -.0360 |
| .298 | 0.0858 | 0.0562 | 0.0297 |
| .228 | 0.2096 | 0.0868 | 0.1228 |
| .151 | 0.2789 | 0.0755 | 0.2034 |
| .060 | 0.4792 | 0.1249 | 0.3543 |
| .012 | 1.1870 | 0.7422 | 0.4448 |

14-JAN-82 10:58:09

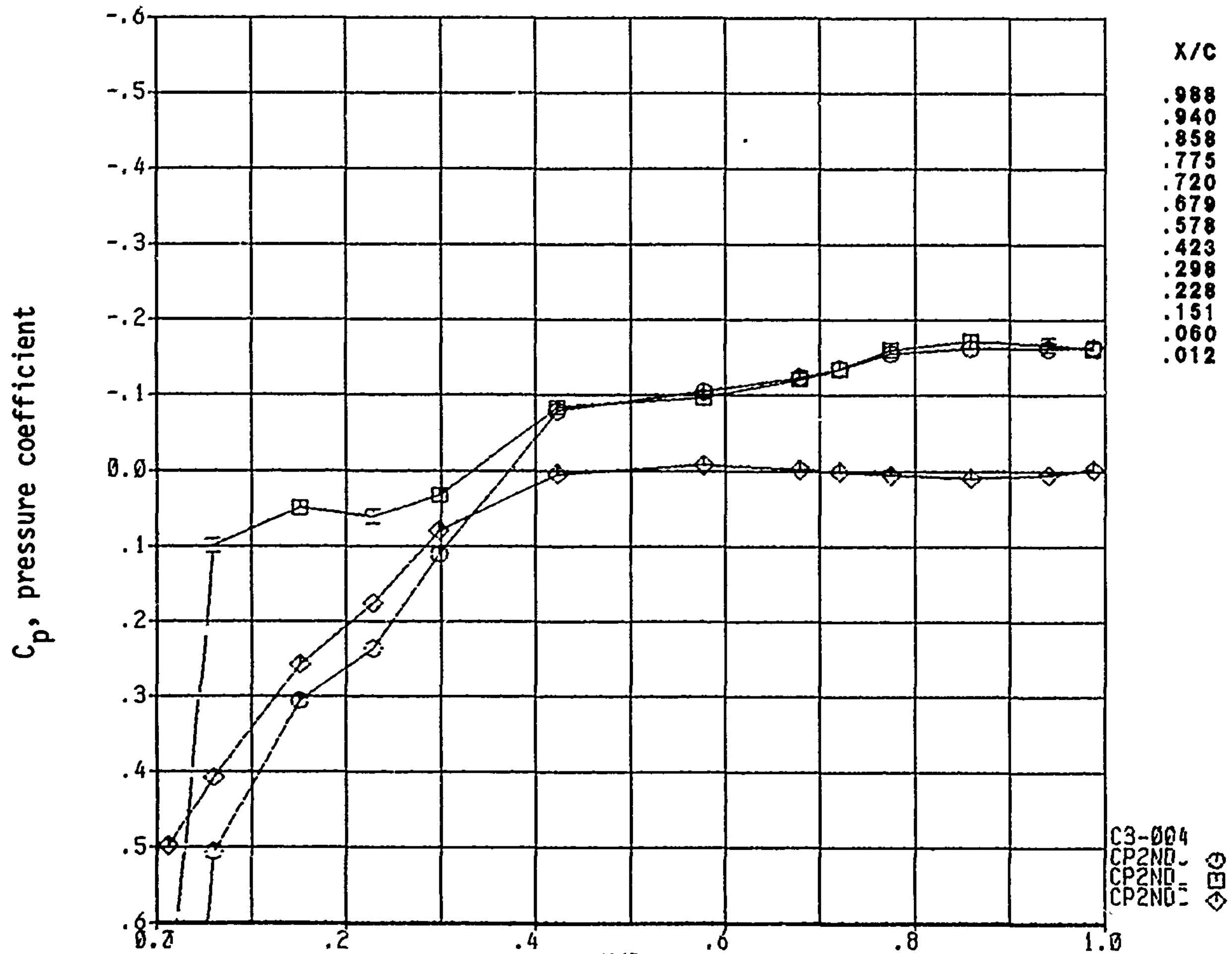
Figure 196, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1924 | -.1312 | -.0612 |
| .940 | -.1927 | -.1353 | -.0574 |
| .858 | -.1946 | -.1381 | -.0566 |
| .775 | -.1883 | -.1266 | -.0616 |
| .720 | -.1681 | -.1012 | -.0670 |
| .679 | -.1573 | -.0870 | -.0703 |
| .578 | -.1392 | -.0605 | -.0787 |
| .423 | -.1188 | -.0427 | -.0761 |
| .298 | 0.0614 | 0.0807 | -.0193 |
| .228 | 0.1832 | 0.1132 | 0.0700 |
| .151 | 0.2522 | 0.1022 | 0.1500 |
| .060 | 0.4528 | 0.1513 | 0.3015 |
| .012 | 1.1606 | 0.7686 | 0.3919 |

Figure 197, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.350 ANGLE OF ATTACK = -0.502
Y= 1.2479

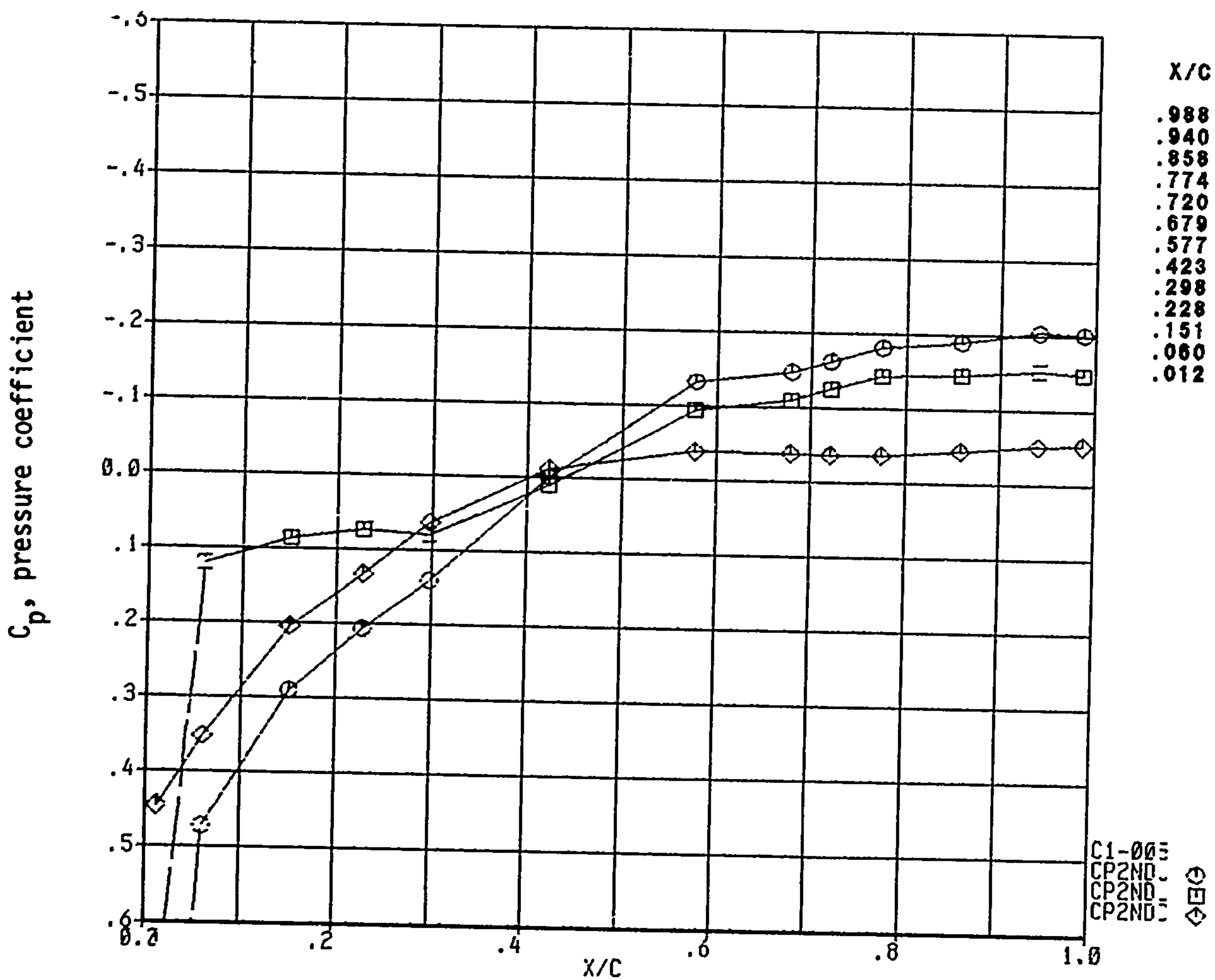



| X/C | PRESSURE UPPER | COEFFICIENT LOWER | DIFF |
|---|---|---|---|
| .988 | -.1629 | -.1611 | -.0018 |
| .940 | -.1617 | -.1667 | 0.0050 |
| .858 | -.1621 | -.1708 | 0.0087 |
| .775 | -.1551 | -.1602 | 0.0051 |
| .720 | -.1347 | -.1351 | 0.0006 |
| .679 | -.1234 | -.1213 | -.0021 |
| .578 | -.1039 | -.0963 | -.0077 |
| .423 | -.0790 | -.0831 | 0.0041 |
| .298 | 0.1102 | 0.0317 | 0.0786 |
| .228 | 0.2360 | 0.0604 | 0.1756 |
| .151 | 0.3056 | 0.0488 | 0.2568 |
| .060 | 0.5056 | 0.0985 | 0.4071 |
| .012 | 1.2134 | 0.7158 | 0.4976 |

14-JAN-82 10:58:51

Figure 198, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.350 ANGLE OF ATTACK = 0.002
Y= 1.4237

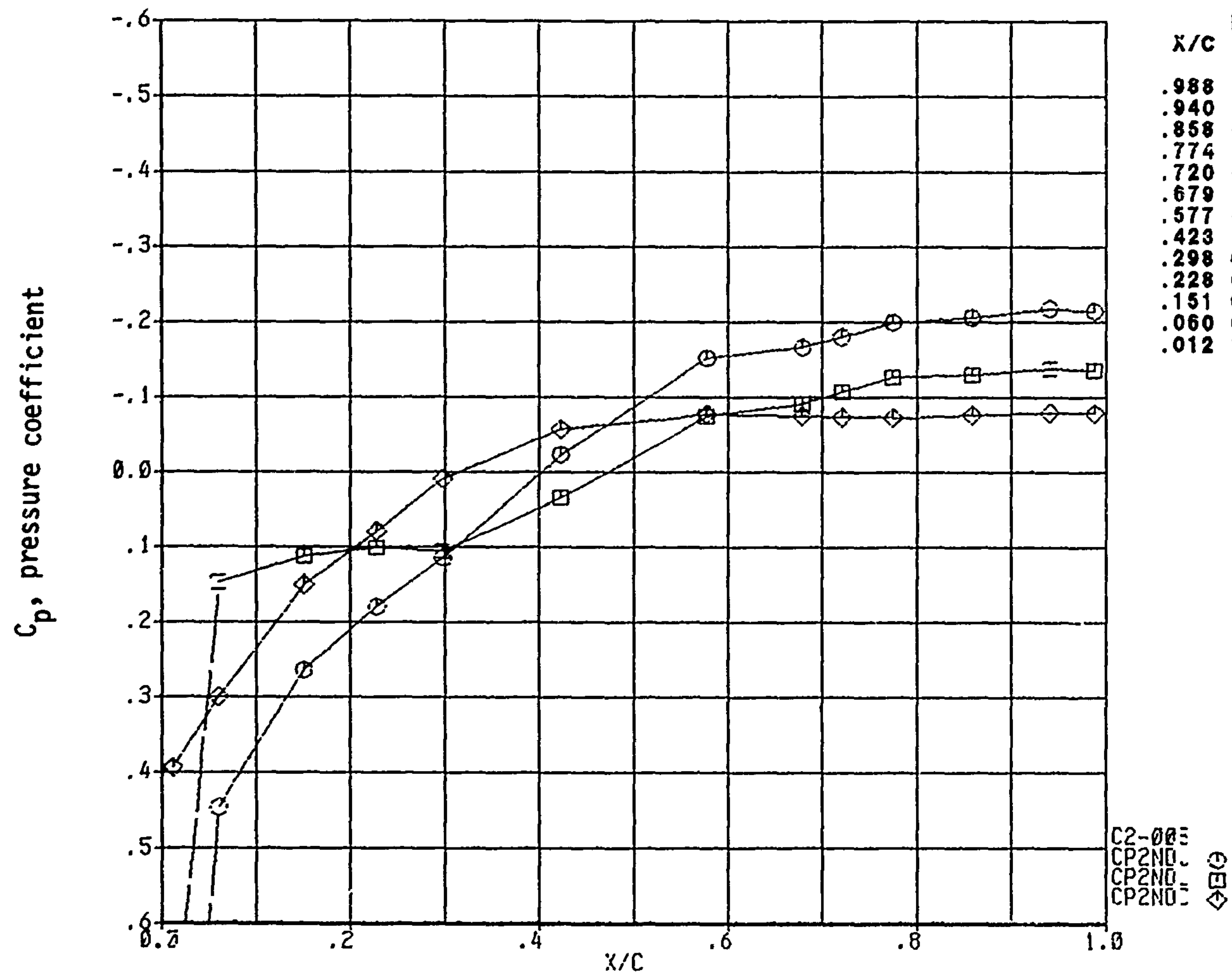



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2013 | -.1484 | -.0529 |
| .940 | -.2038 | -.1524 | -.0514 |
| .858 | -.1898 | -.1456 | -.0441 |
| .774 | -.1814 | -.1438 | -.0376 |
| .720 | -.1621 | -.1247 | -.0374 |
| .679 | -.1476 | -.1093 | -.0384 |
| .577 | -.1325 | -.0938 | -.0388 |
| .423 | -.0007 | 0.0108 | -.0114 |
| .298 | 0.1411 | 0.0787 | 0.0624 |
| .228 | 0.2062 | 0.0736 | 0.1326 |
| .151 | 0.2897 | 0.0857 | 0.2040 |
| .060 | 0.4721 | 0.1200 | 0.3521 |
| .012 | 1.1769 | 0.7312 | 0.4457 |

14-JAN-82 10:59:13

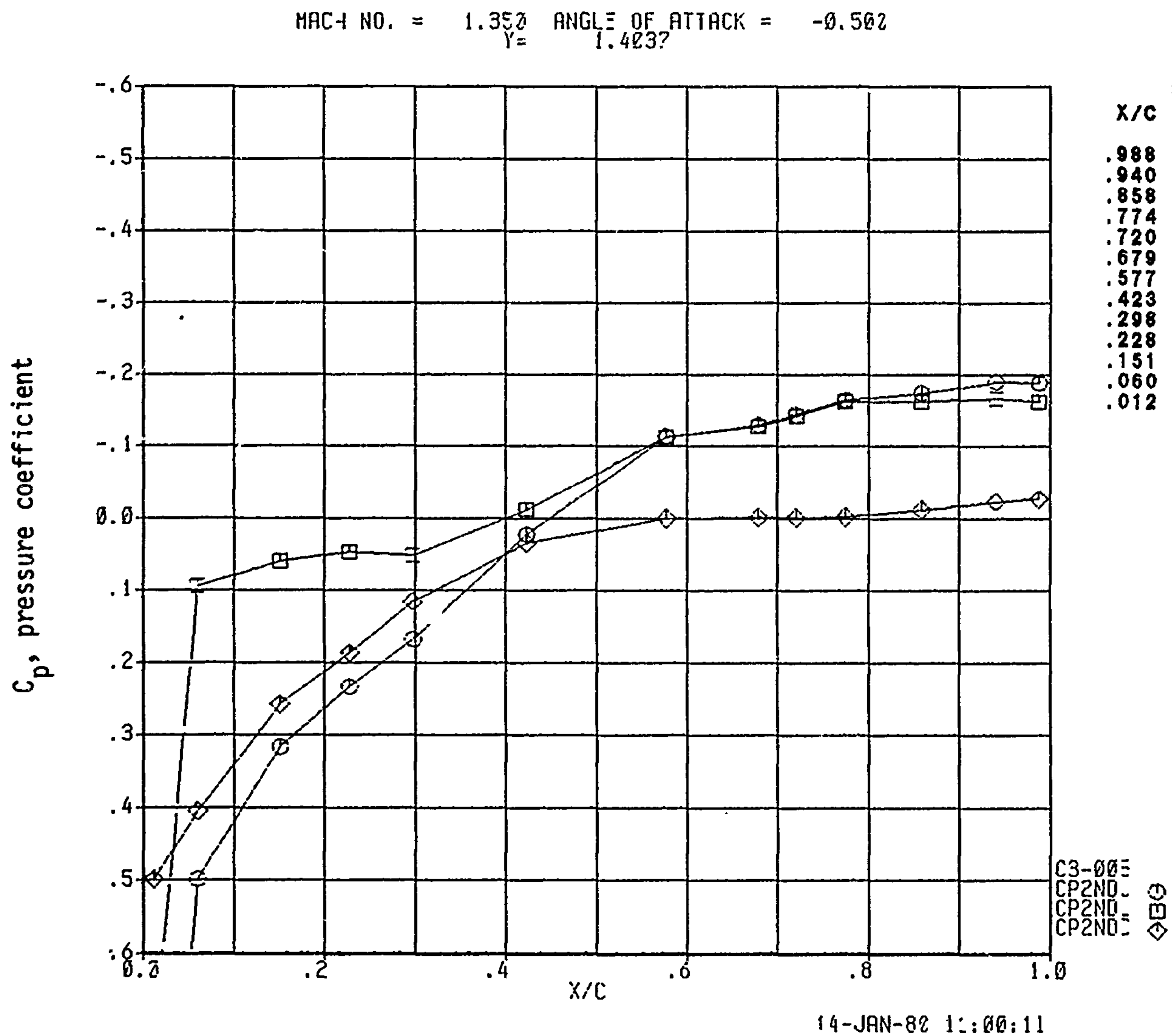
Figure 199, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.350 ANGLE OF ATTACK = 0.502
Y= 1.4037



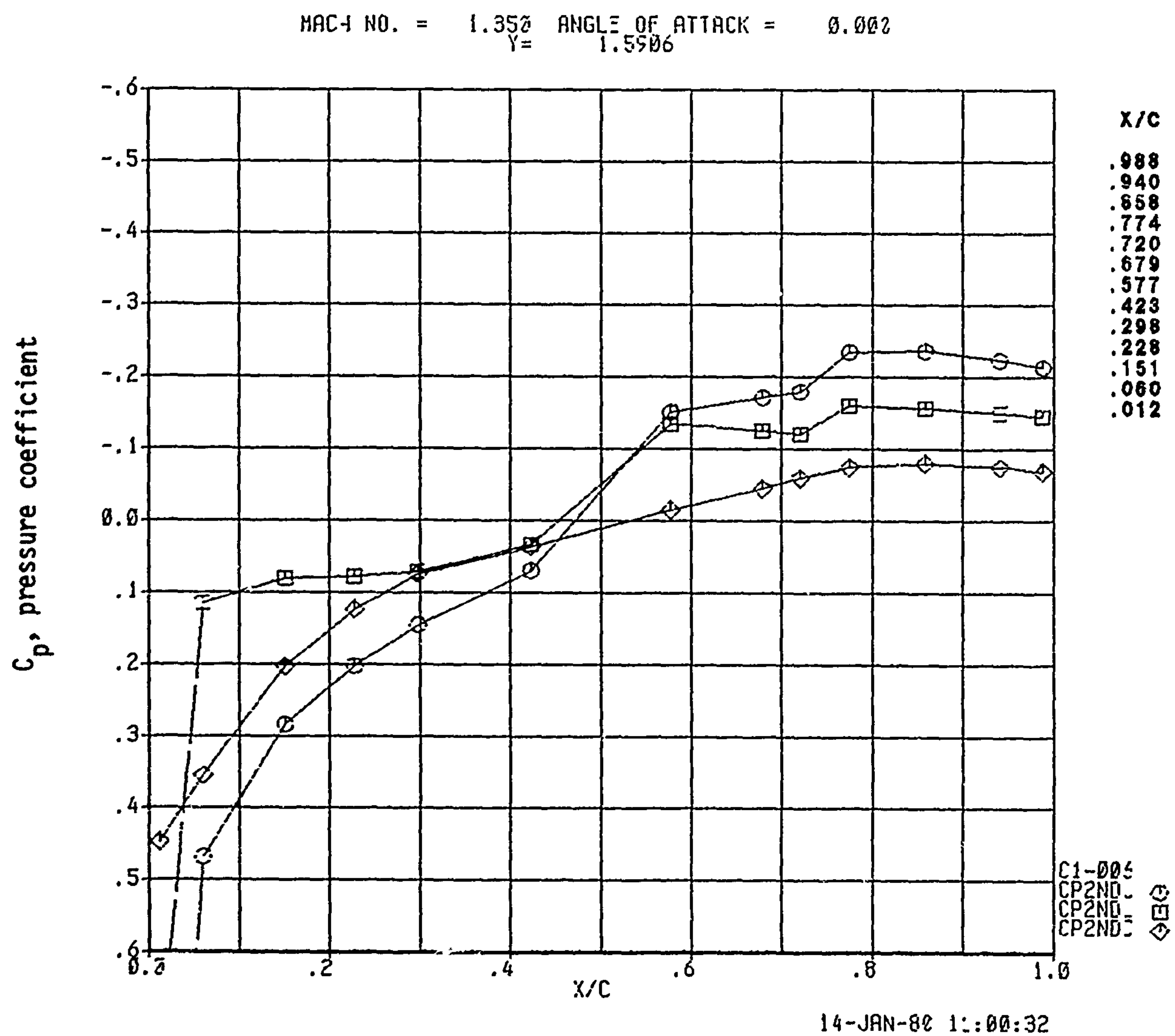

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2141 | -.1353 | -.0788 |
| .940 | -.2176 | -.1382 | -.0794 |
| .858 | -.2058 | -.1295 | -.0763 |
| .774 | -.1988 | -.1263 | -.0726 |
| .720 | -.1799 | -.1067 | -.0733 |
| .679 | -.1660 | -.0908 | -.0750 |
| .577 | -.1517 | -.0743 | -.0775 |
| .423 | -.0234 | 0.0336 | -.0571 |
| .298 | 0.1144 | 0.1054 | 0.0090 |
| .228 | 0.1793 | 0.1005 | 0.0789 |
| .151 | 0.2630 | 0.1124 | 0.1506 |
| .060 | 0.4459 | 0.1463 | 0.2996 |
| .012 | 1.1504 | 0.7577 | 0.3927 |

Figure 200, Chordwise Pressure Distribution, Steady, Configuration 1



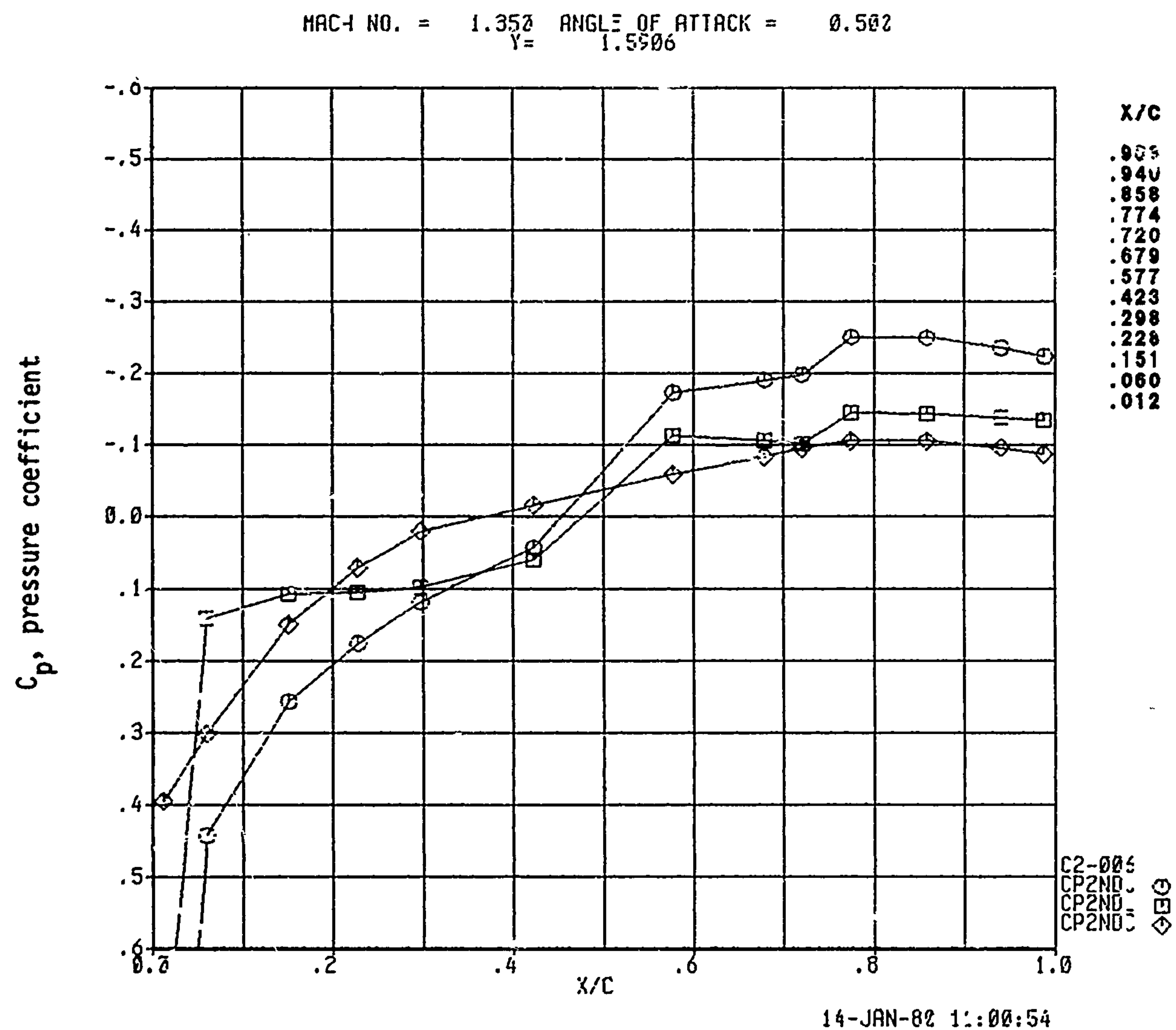

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1886 | -.1616 | -.0271 |
| .940 | -.1899 | -.1667 | -.0232 |
| .858 | -.1739 | -.1619 | -.0120 |
| .774 | -.1641 | -.1614 | -.0026 |
| .720 | -.1443 | -.1428 | -.0014 |
| .679 | -.1294 | -.1277 | -.0017 |
| .577 | -.1133 | -.1133 | 0.0000 |
| .423 | 0.0220 | -.0121 | 0.0341 |
| .298 | 0.1677 | 0.0519 | 0.1158 |
| .228 | 0.2331 | 0.0467 | 0.1864 |
| .151 | 0.3164 | 0.0590 | 0.2574 |
| .060 | 0.4984 | 0.0938 | 0.4046 |
| .012 | 1.2034 | 0.7047 | 0.4987 |

Figure 201, Chordwise Pressure Distribution, Steady, Configuration 1



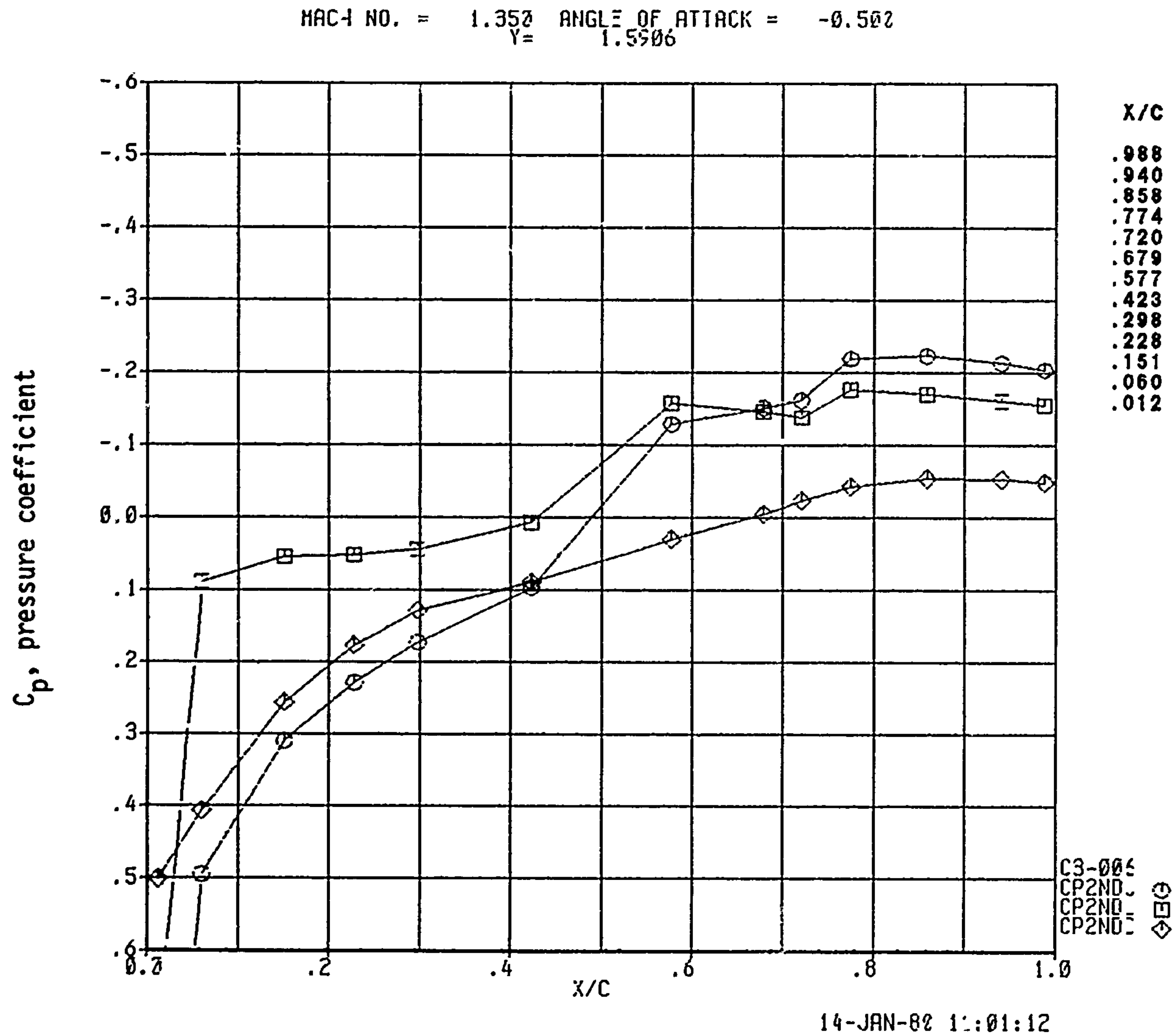

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2129 | -.1448 | -.0682 |
| .940 | -.2237 | -.1494 | -.0743 |
| .858 | -.2364 | -.1566 | -.0798 |
| .774 | -.2343 | -.1602 | -.0741 |
| .720 | -.1793 | -.1200 | -.0594 |
| .679 | -.1705 | -.1260 | -.0445 |
| .577 | -.1503 | -.1349 | -.0154 |
| .423 | 0.0695 | 0.0330 | 0.0365 |
| .298 | 0.1453 | 0.0711 | 0.0742 |
| .228 | 0.2019 | 0.0782 | 0.1237 |
| .151 | 0.2828 | 0.0803 | 0.2026 |
| .060 | 0.4683 | 0.1145 | 0.3538 |
| .012 | 1.1882 | 0.7407 | 0.4474 |

Figure 202, Chordwise Pressure Distribution, Steady, Configuration 1



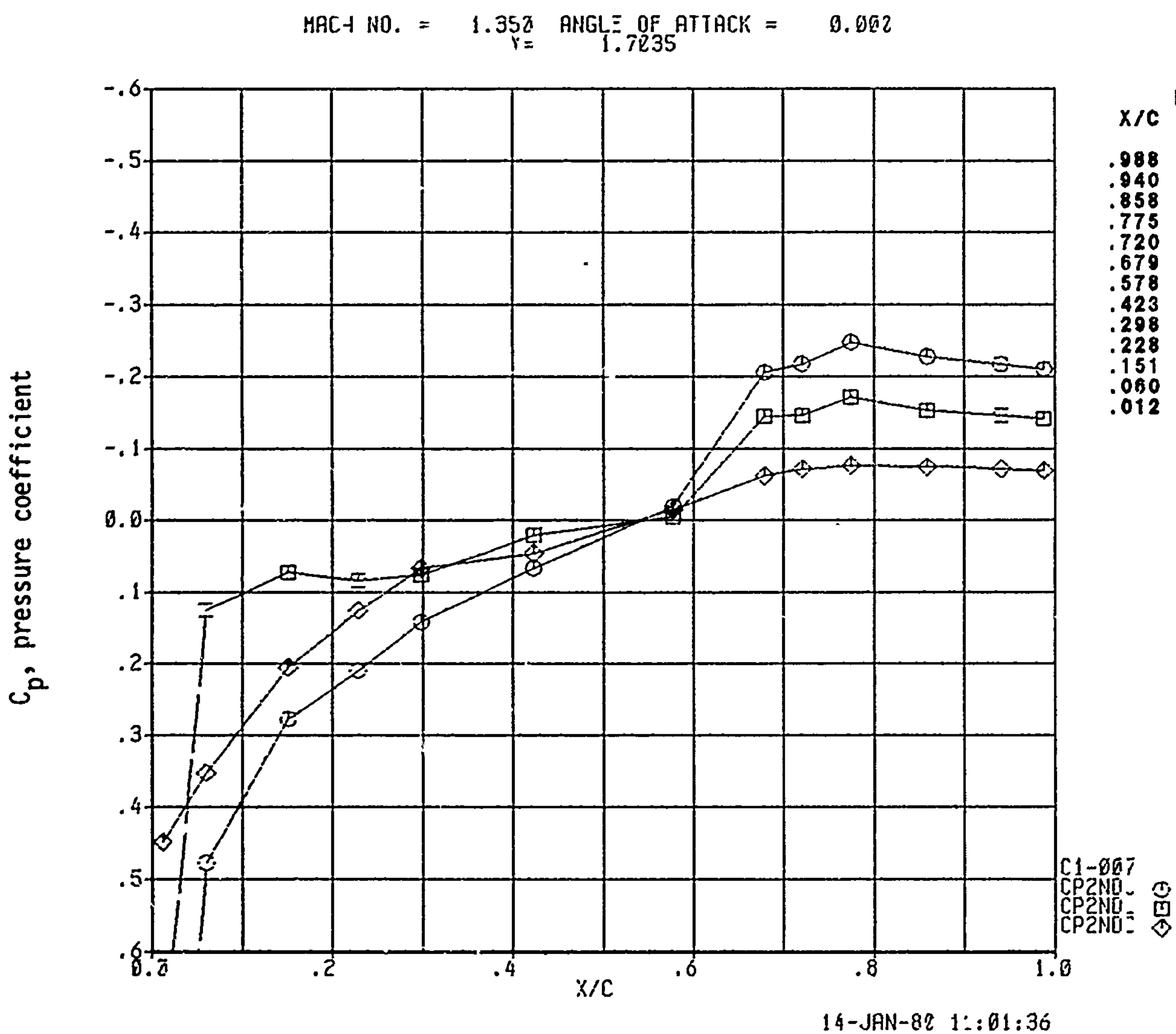

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .969 | -.2225 | -.1349 | -.0876 |
| .940 | -.2343 | -.1384 | -.0959 |
| .858 | -.2491 | -.1435 | -.1056 |
| .774 | -.2497 | -.1443 | -.1054 |
| .720 | -.1973 | -.1016 | -.0957 |
| .679 | -.1899 | -.1062 | -.0836 |
| .577 | -.1724 | -.1126 | -.0598 |
| .423 | 0.0431 | 0.0594 | -.0163 |
| .298 | 0.1182 | 0.0982 | 0.0201 |
| .228 | 0.1755 | 0.1046 | 0.0710 |
| .151 | 0.2563 | 0.1068 | 0.1495 |
| .060 | 0.4419 | 0.1408 | 0.3011 |
| .012 | 1.1616 | 0.7673 | 0.3943 |

Figure 203, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2036 | -.1548 | -.0487 |
| .940 | -.2133 | -.1605 | -.0528 |
| .858 | -.2239 | -.1700 | -.0540 |
| .774 | -.2191 | -.1763 | -.0428 |
| .720 | -.1615 | -.1385 | -.0230 |
| .679 | -.1512 | -.1458 | -.0053 |
| .577 | -.1282 | -.1572 | 0.0291 |
| .423 | 0.0958 | 0.0067 | 0.0891 |
| .298 | 0.1724 | 0.0440 | 0.1284 |
| .228 | 0.2283 | 0.0519 | 0.1765 |
| .151 | 0.3093 | 0.0538 | 0.2556 |
| .060 | 0.4947 | 0.0881 | 0.4066 |
| .012 | 1.2147 | 0.7142 | 0.5006 |

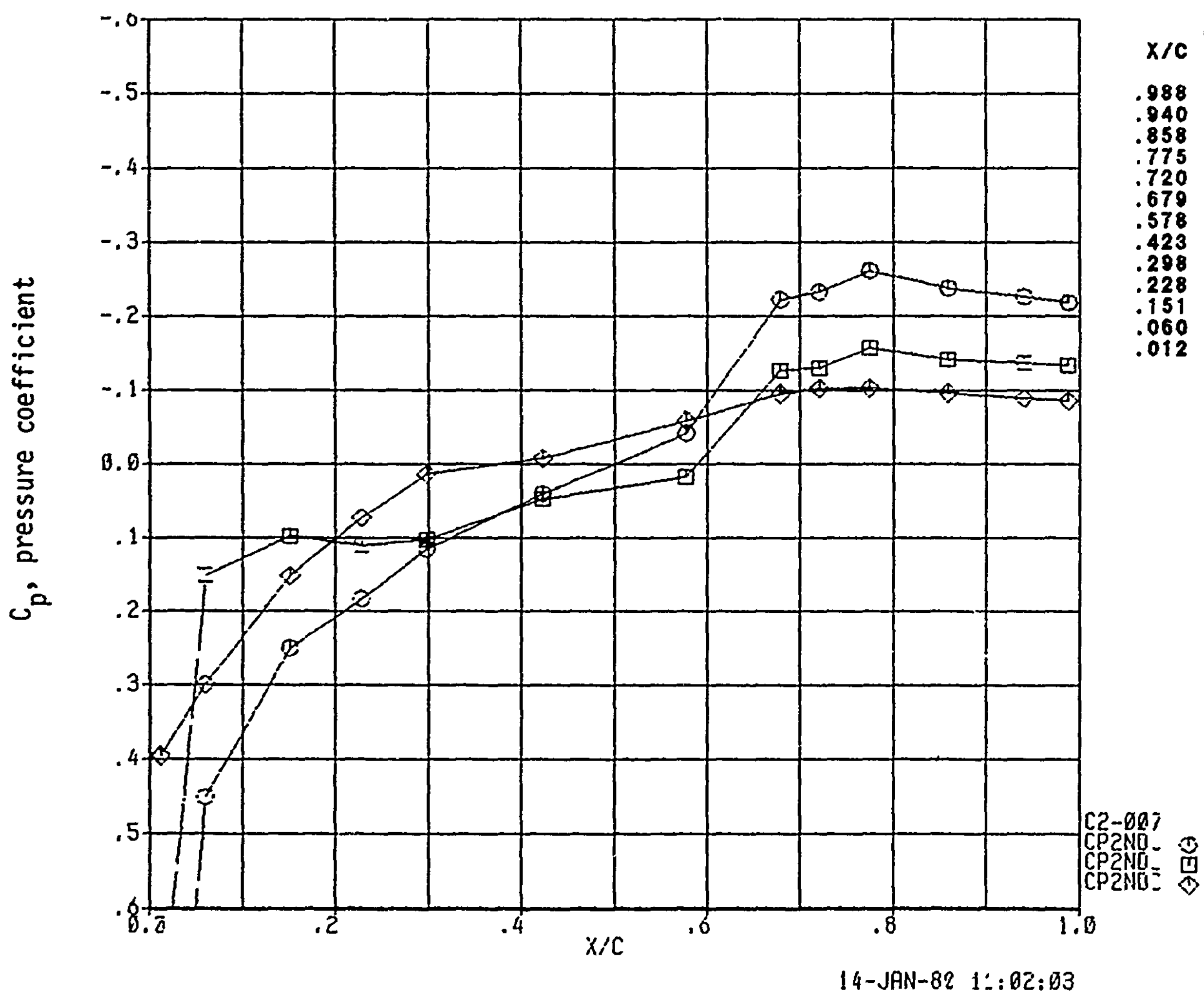
Figure 204, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2101 | -.1412 | -.0690 |
| .940 | -.2170 | -.1461 | -.0710 |
| .858 | -.2272 | -.1528 | -.0744 |
| .775 | -.2477 | -.1716 | -.0761 |
| .720 | -.2178 | -.1461 | -.0716 |
| .679 | -.2058 | -.1444 | -.0615 |
| .578 | -.0198 | -.0053 | -.0144 |
| .423 | 0.0664 | 0.0203 | 0.0460 |
| .298 | 0.1416 | 0.0752 | 0.0665 |
| .228 | 0.2098 | 0.0840 | 0.1259 |
| .151 | 0.2767 | 0.0716 | 0.2051 |
| .060 | 0.4773 | 0.1253 | 0.3520 |
| .012 | 1.1888 | 0.7408 | 0.4480 |

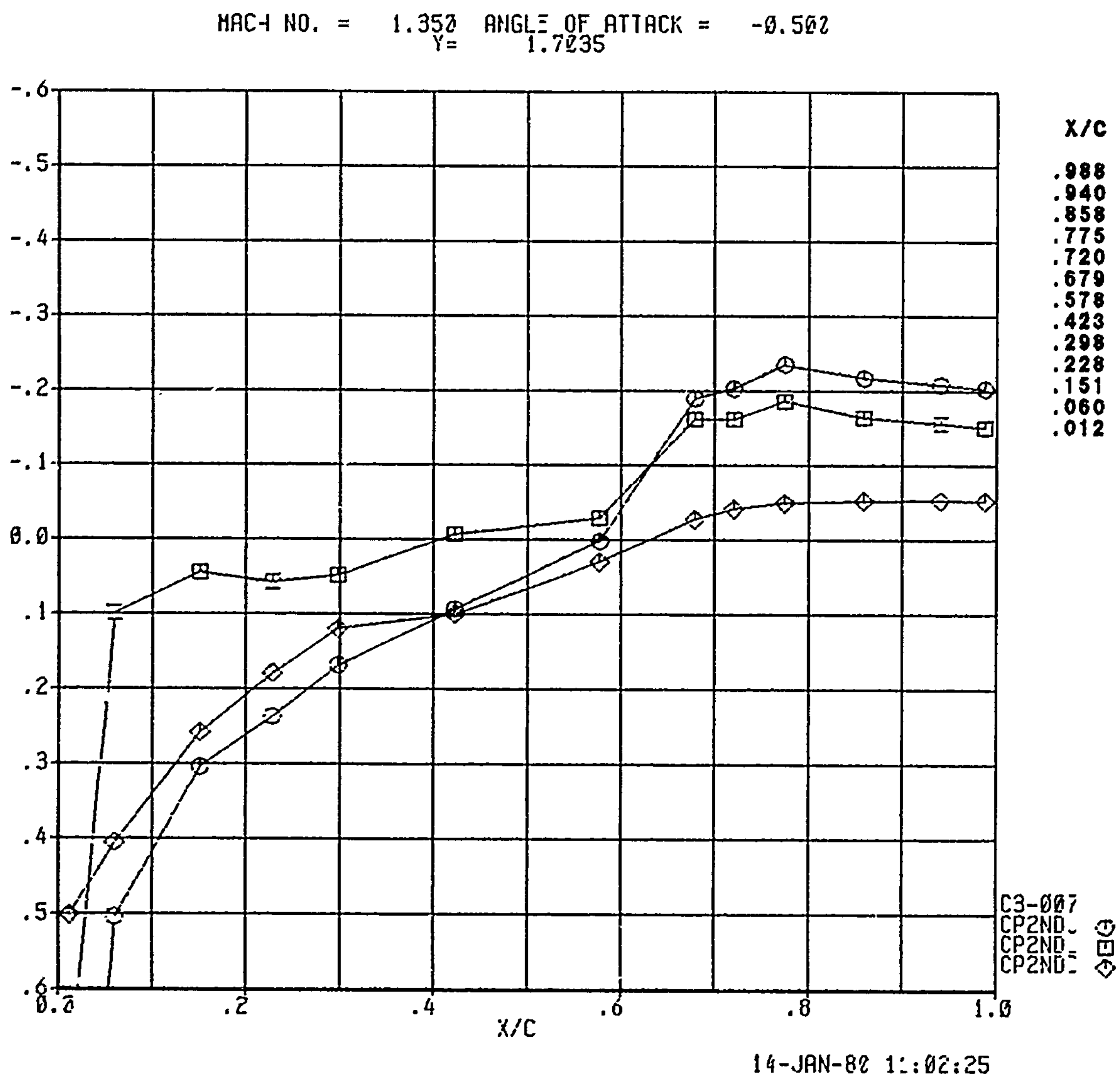
Figure 205, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.350 ANGLE OF ATTACK = 0.502
Y= 1.7235




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2184 | -.1327 | -.0858 |
| .940 | -.2261 | -.1366 | -.0895 |
| .858 | -.2301 | -.1415 | -.0966 |
| .775 | -.2609 | -.1577 | -.1031 |
| .720 | -.2326 | -.1304 | -.1023 |
| .679 | -.2224 | -.1270 | -.0954 |
| .578 | -.0418 | 0.0175 | -.0593 |
| .423 | 0.0398 | 0.0472 | -.0074 |
| .298 | 0.1150 | 0.1019 | 0.0131 |
| .228 | 0.1833 | 0.1105 | 0.0729 |
| .151 | 0.2501 | 0.0982 | 0.1518 |
| .060 | 0.4509 | 0.1517 | 0.2992 |
| .012 | 1.1623 | 0.7674 | 0.3949 |

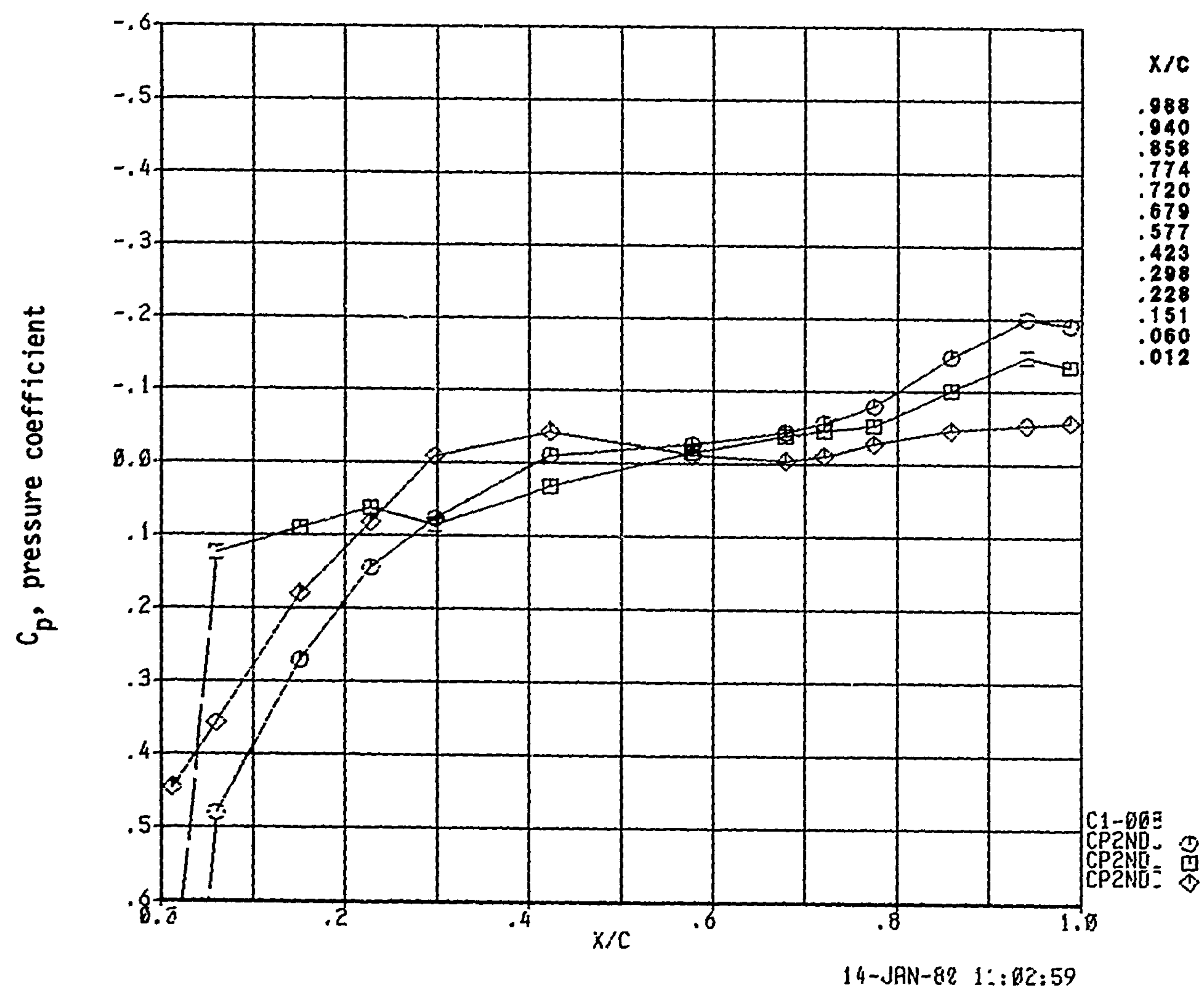
Figure 206, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2023 | -.1501 | -.0522 |
| .940 | -.2083 | -.1559 | -.0524 |
| .858 | -.2166 | -.1646 | -.0521 |
| .775 | -.2348 | -.1857 | -.0490 |
| .720 | -.2031 | -.1621 | -.0410 |
| .679 | -.1895 | -.1619 | -.0275 |
| .578 | 0.0023 | -.0282 | 0.0305 |
| .423 | 0.0929 | -.0064 | 0.0994 |
| .298 | 0.1684 | 0.0484 | 0.1199 |
| .228 | 0.2364 | 0.0574 | 0.1790 |
| .151 | 0.3033 | 0.0450 | 0.2583 |
| .060 | 0.5037 | 0.0989 | 0.4048 |
| .012 | 1.2154 | 0.7143 | 0.5010 |

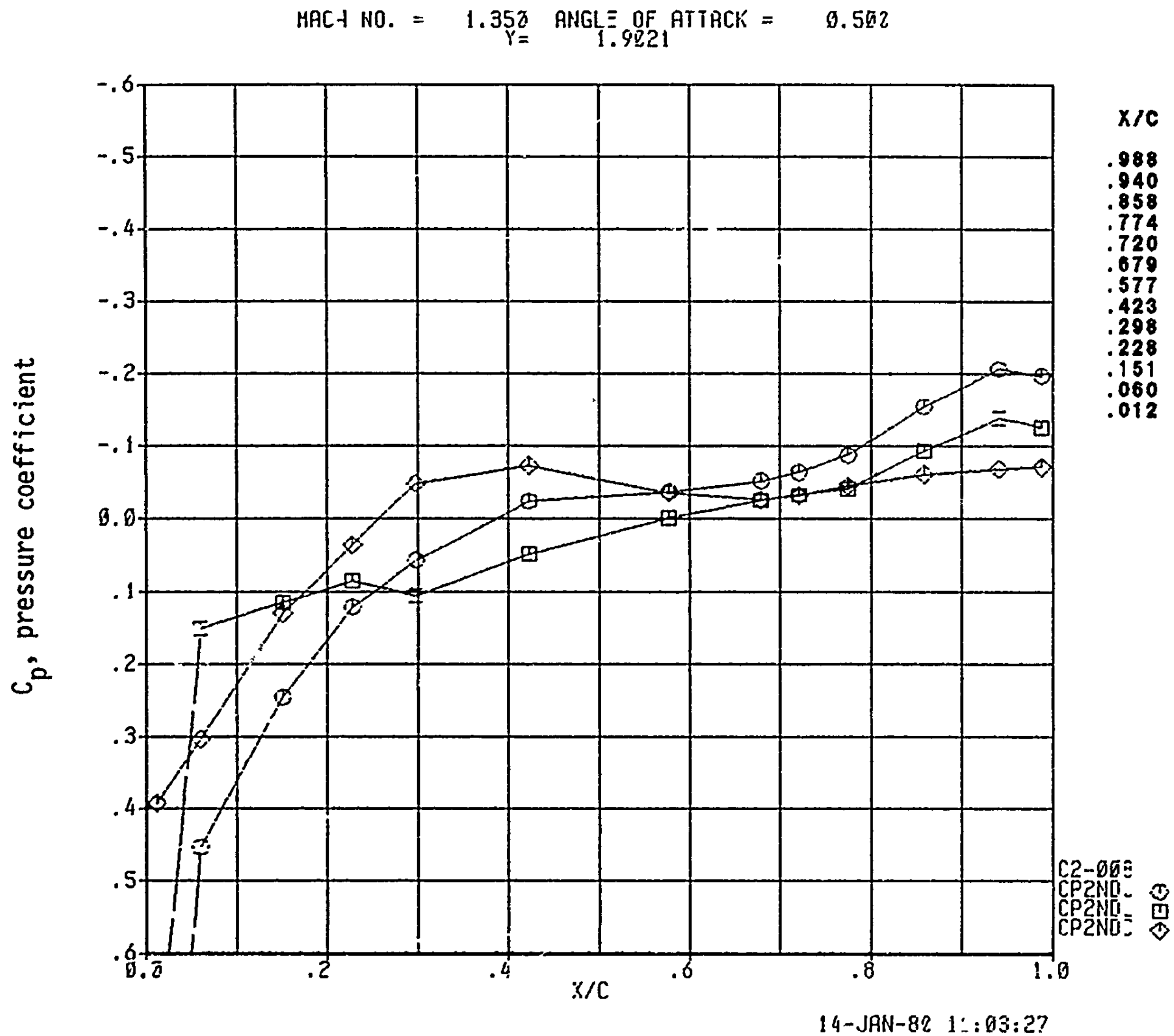
Figure 207, Chordwise Pressure Distribution, Steady, Configuration 1

MACH NO. = 1.352 ANGLE OF ATTACK = 0.002
Y= 1.9221




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1903 | -.1337 | -.0566 |
| .940 | -.1997 | -.1468 | -.0529 |
| .858 | -.1469 | -.1014 | -.0455 |
| .774 | -.0786 | -.0515 | -.0272 |
| .720 | -.0551 | -.0442 | -.0108 |
| .679 | -.0423 | -.0385 | -.0038 |
| .577 | -.0262 | -.0148 | -.0113 |
| .423 | -.0105 | 0.0324 | -.0430 |
| .298 | 0.0763 | 0.0852 | -.0089 |
| .228 | 0.1433 | 0.0621 | 0.0813 |
| .151 | 0.2701 | 0.0900 | 0.1800 |
| .060 | 0.4800 | 0.1237 | 0.3562 |
| .012 | 1.1779 | 0.7328 | 0.4451 |

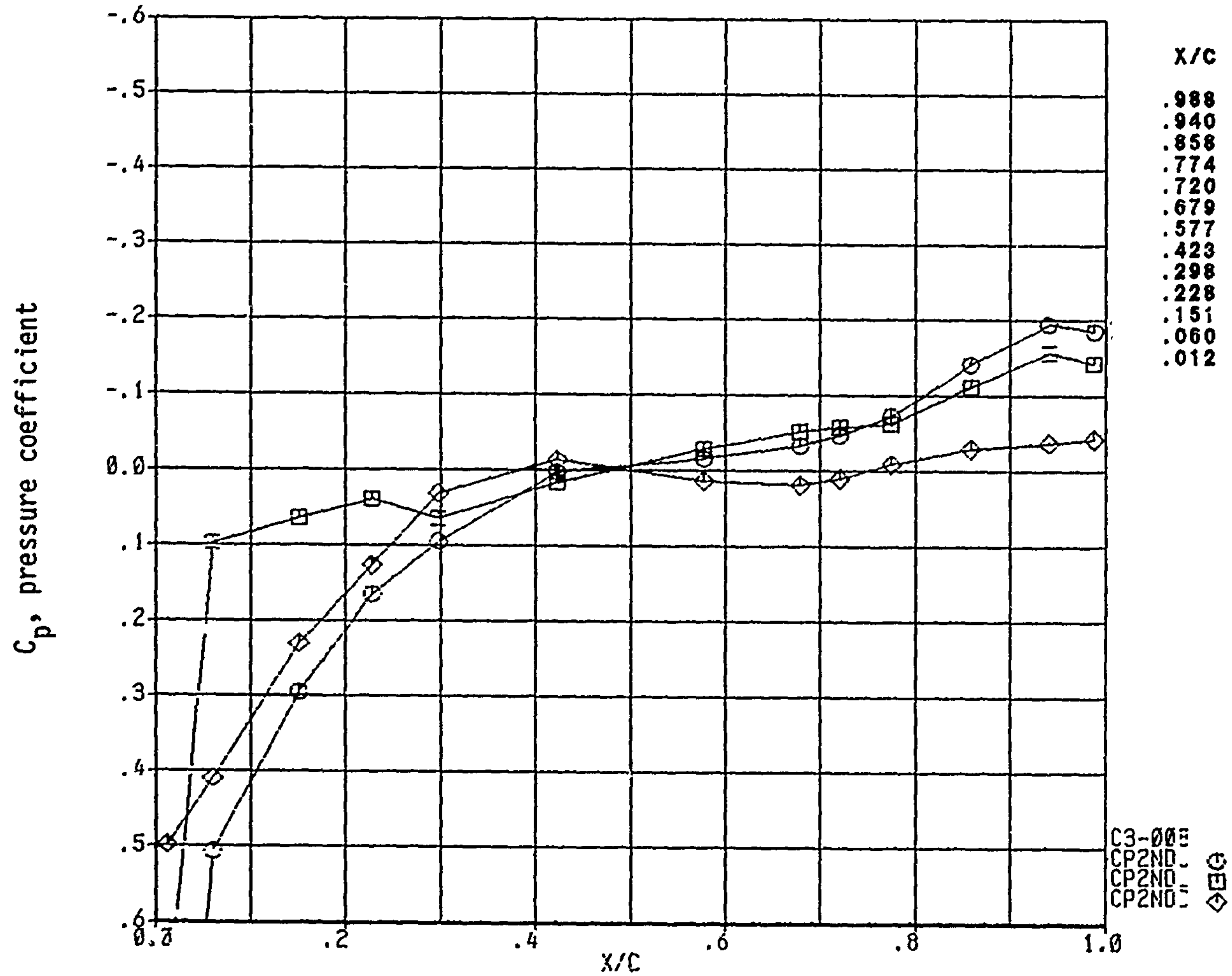
Figure 208, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1968 | -.1259 | -.0709 |
| .940 | -.2067 | -.1383 | -.0684 |
| .858 | -.1539 | -.0927 | -.0611 |
| .774 | -.0867 | -.0413 | -.0454 |
| .720 | -.0642 | -.0326 | -.0317 |
| .679 | -.0522 | -.0259 | -.0263 |
| .577 | -.0372 | -.0012 | -.0361 |
| .423 | -.0242 | 0.0484 | -.0726 |
| .298 | 0.0573 | 0.1057 | -.0484 |
| .228 | 0.1211 | 0.0852 | 0.0358 |
| .151 | 0.2451 | 0.1153 | 0.1298 |
| .060 | 0.4534 | 0.1503 | 0.3030 |
| .012 | 1.1515 | 0.7592 | 0.3923 |

Figure 209, Chordwise Pressure Distribution, Steady, Configuration 1

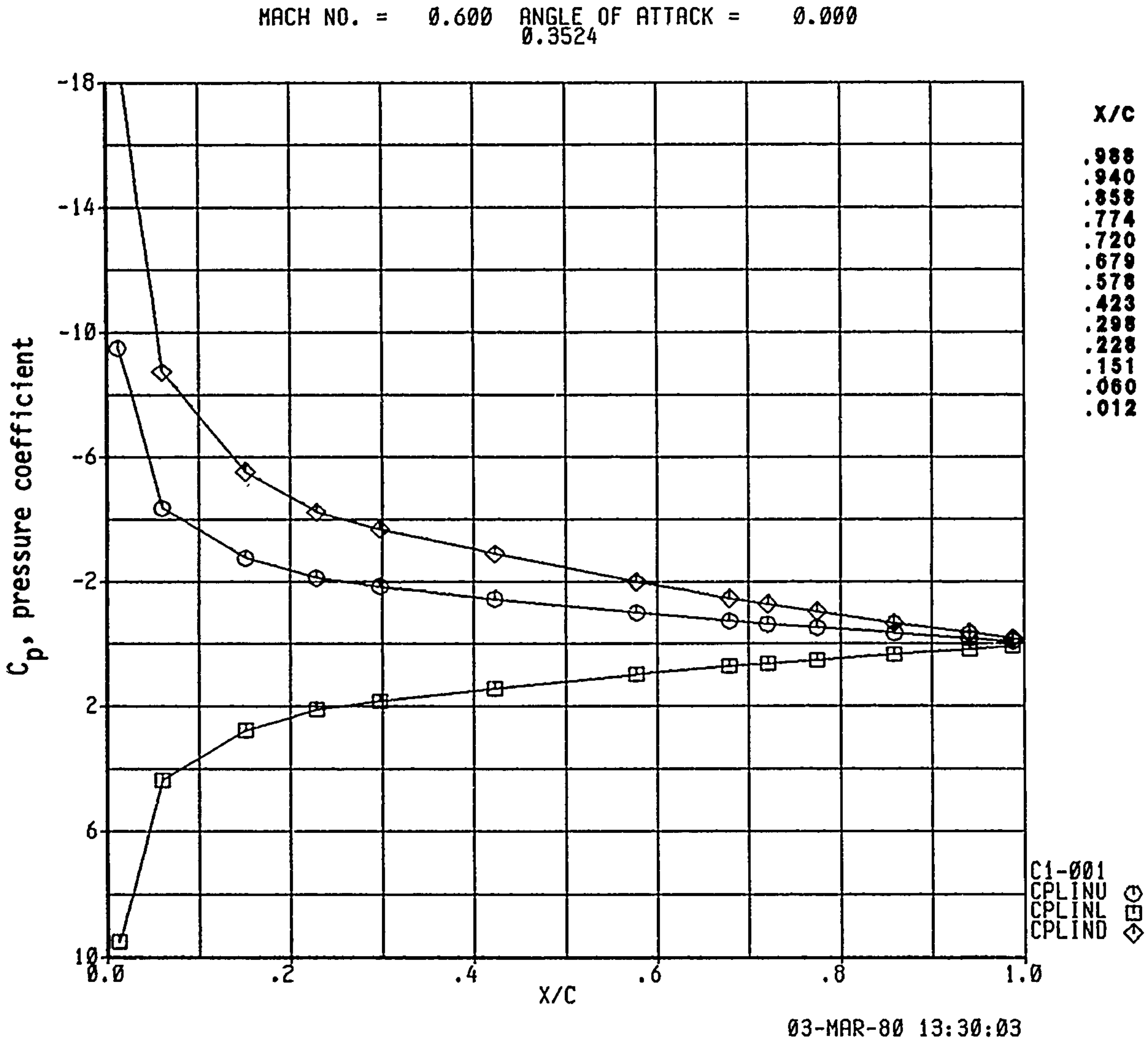
MACH NO. = 1.350 ANGLE OF ATTACK = -0.500
Y= 1.9221




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1850 | -.1427 | -.0424 |
| .940 | -.1938 | -.1564 | -.0374 |
| .858 | -.1410 | -.1112 | -.0298 |
| .774 | -.0717 | -.0627 | -.0090 |
| .720 | -.0468 | -.0569 | 0.0100 |
| .679 | -.0333 | -.0519 | 0.0187 |
| .577 | -.0159 | -.0292 | 0.0133 |
| .423 | 0.0027 | 0.0161 | -.0134 |
| .298 | 0.0950 | 0.0644 | 0.0307 |
| .228 | 0.1654 | 0.0388 | 0.1266 |
| .151 | 0.2950 | 0.0647 | 0.2303 |
| .060 | 0.5066 | 0.0972 | 0.4095 |
| .012 | 1.2043 | 0.7064 | 0.4978 |

14-JAN-82 11:03:54

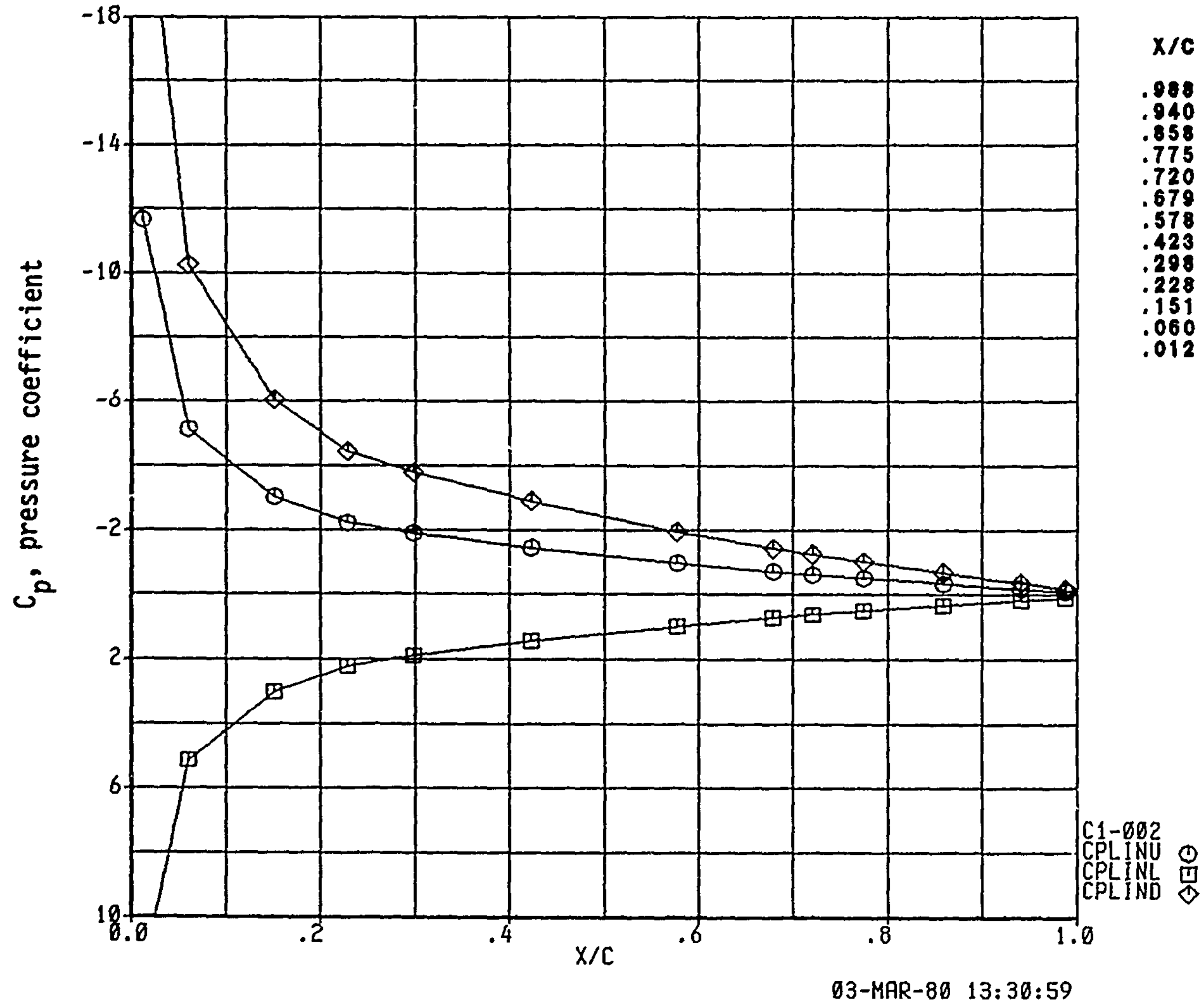
Figure 210, Chordwise Pressure Distribution, Steady, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0792 | 0.0792 | -.1584 |
| .940 | -.1738 | 0.1738 | -.3477 |
| .858 | -.3340 | 0.3340 | -.6679 |
| .774 | -.5140 | 0.5140 | -1.028 |
| .720 | -.6328 | 0.6328 | -1.265 |
| .679 | -.7280 | 0.7280 | -1.456 |
| .578 | -.9895 | 0.9895 | -1.979 |
| .423 | -1.444 | 1.4438 | -2.888 |
| .298 | -1.845 | 1.8454 | -3.691 |
| .228 | -2.117 | 2.1173 | -4.234 |
| .151 | -2.765 | 2.7646 | -5.529 |
| .060 | -4.368 | 4.3683 | -8.737 |
| .012 | -9.502 | 9.5024 | -19.00 |

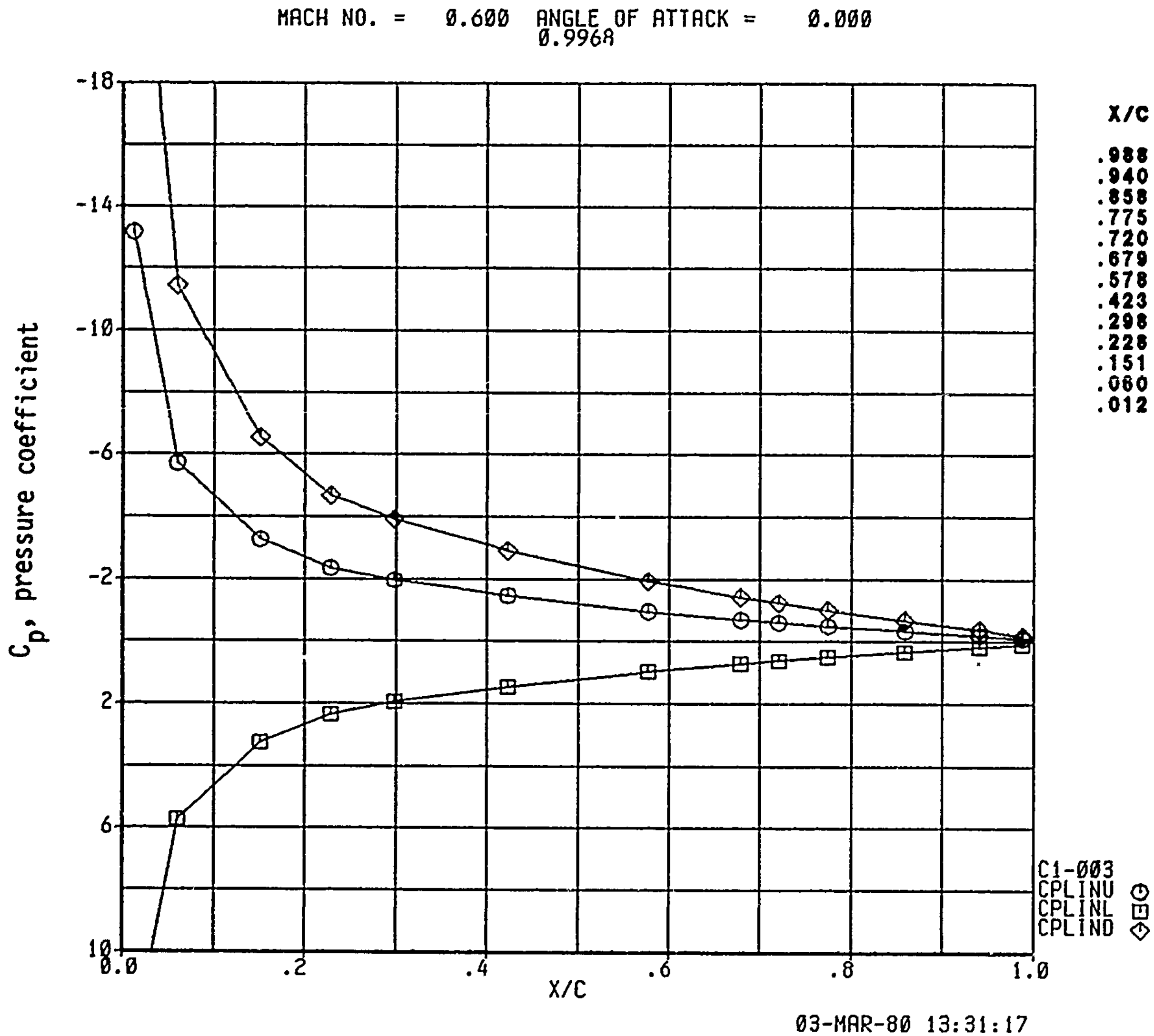
Figure 211, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.6853



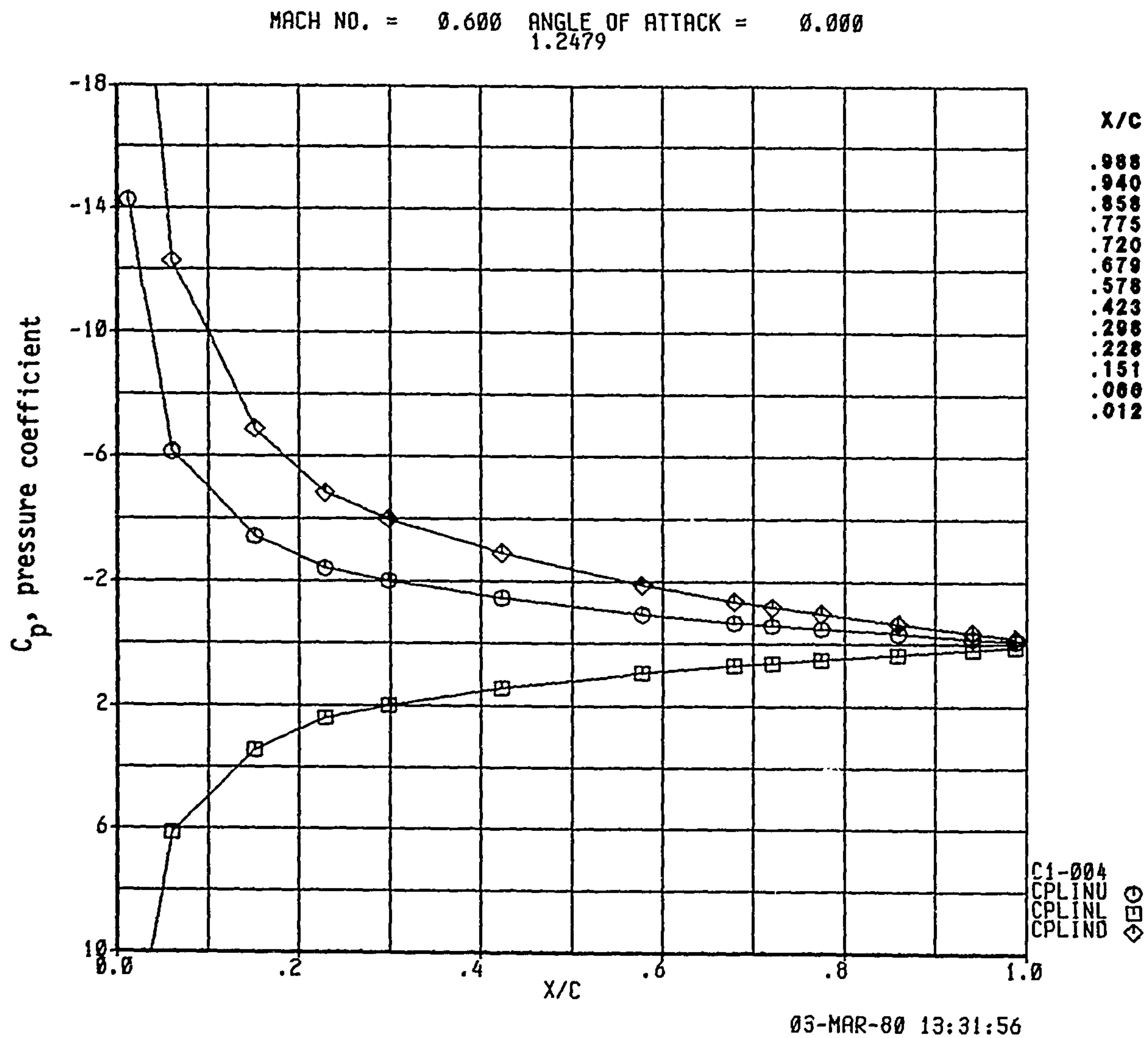

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0849 | 0.0849 | -.1697 |
| .940 | -.1823 | 0.1823 | -.3646 |
| .858 | -.3375 | 0.3375 | -.6750 |
| .775 | -.5074 | 0.5074 | -1.015 |
| .720 | -.6210 | 0.6210 | -1.242 |
| .679 | -.7125 | 0.7125 | -1.425 |
| .578 | -.9707 | 0.9707 | -1.941 |
| .423 | -1.439 | 1.4387 | -2.877 |
| .298 | -1.889 | 1.8890 | -3.778 |
| .228 | -2.219 | 2.2187 | -4.437 |
| .151 | -3.027 | 3.0269 | -6.054 |
| .060 | -5.137 | 5.1368 | -10.27 |
| .012 | -11.67 | 11.669 | -23.34 |

Figure 212, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0895 | 0.0895 | -.1790 |
| .940 | -.1887 | 0.1887 | -.3772 |
| .858 | -.3396 | 0.3396 | -.6791 |
| .775 | -.5043 | 0.5043 | -1.008 |
| .720 | -.6151 | 0.6151 | -1.230 |
| .679 | -.7041 | 0.7041 | -1.408 |
| .578 | -.9634 | 0.9634 | -1.927 |
| .423 | -1.454 | 1.4545 | -2.909 |
| .298 | -1.957 | 1.9568 | -3.914 |
| .228 | -2.337 | 2.3371 | -4.674 |
| .151 | -3.270 | 3.2699 | -6.540 |
| .060 | -5.725 | 5.7245 | -11.45 |
| .012 | -13.18 | 13.183 | -26.37 |

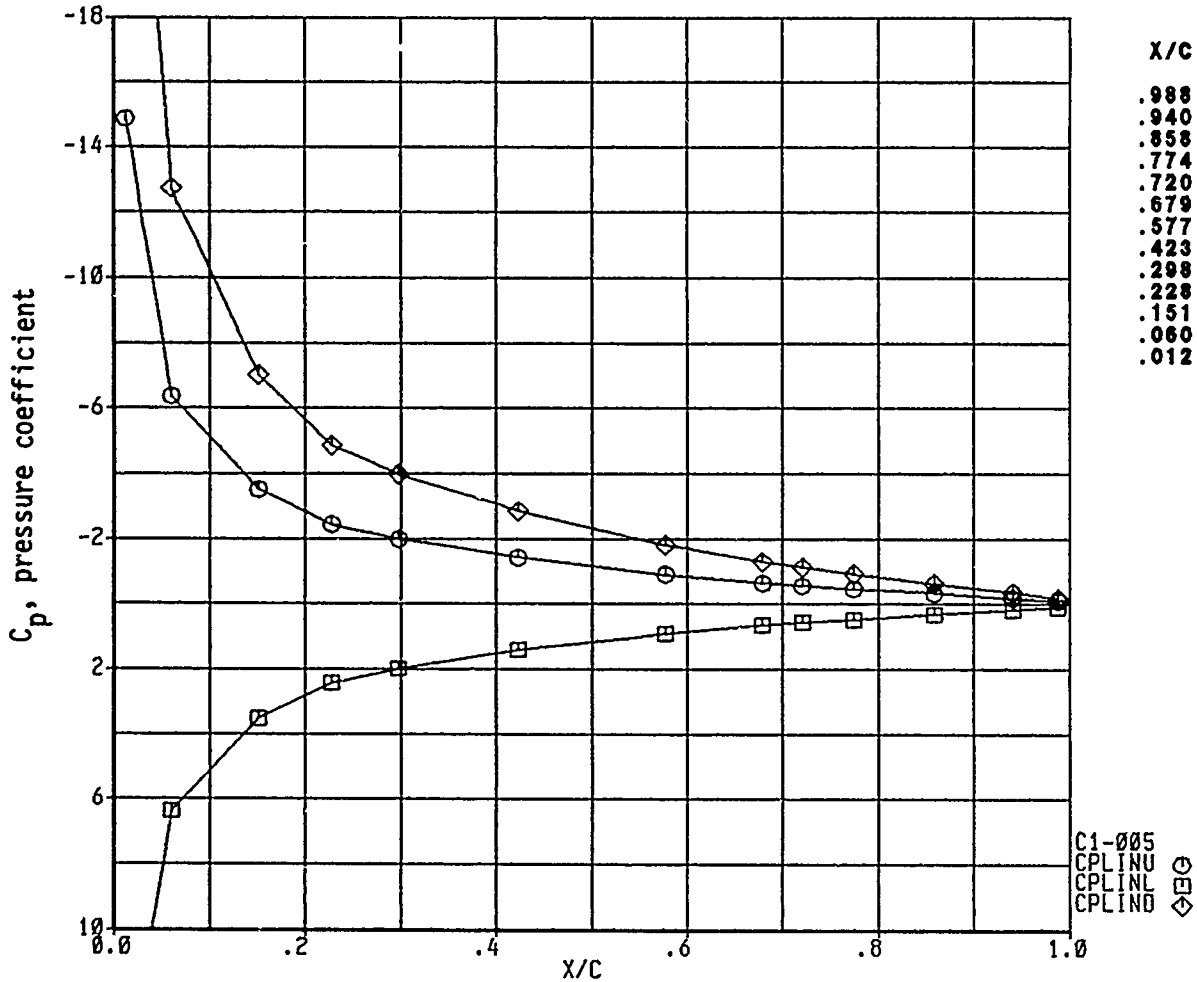
Figure 213, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0894 | 0.0894 | -.1788 |
| .940 | -.1869 | 0.1869 | -.3738 |
| .858 | -.3313 | 0.3313 | -.6627 |
| .775 | -.4879 | 0.4879 | -.9758 |
| .720 | -.5941 | 0.5941 | -1.188 |
| .679 | -.6799 | 0.6799 | -1.360 |
| .578 | -.9398 | 0.9398 | -1.880 |
| .423 | -1.450 | 1.4499 | -2.900 |
| .298 | -1.993 | 1.9926 | -3.985 |
| .228 | -2.414 | 2.4145 | -4.829 |
| .151 | -3.436 | 3.4359 | -6.872 |
| .060 | -6.137 | 6.1372 | -12.27 |
| .012 | -14.25 | 14.253 | -28.51 |

Figure 214, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.4037

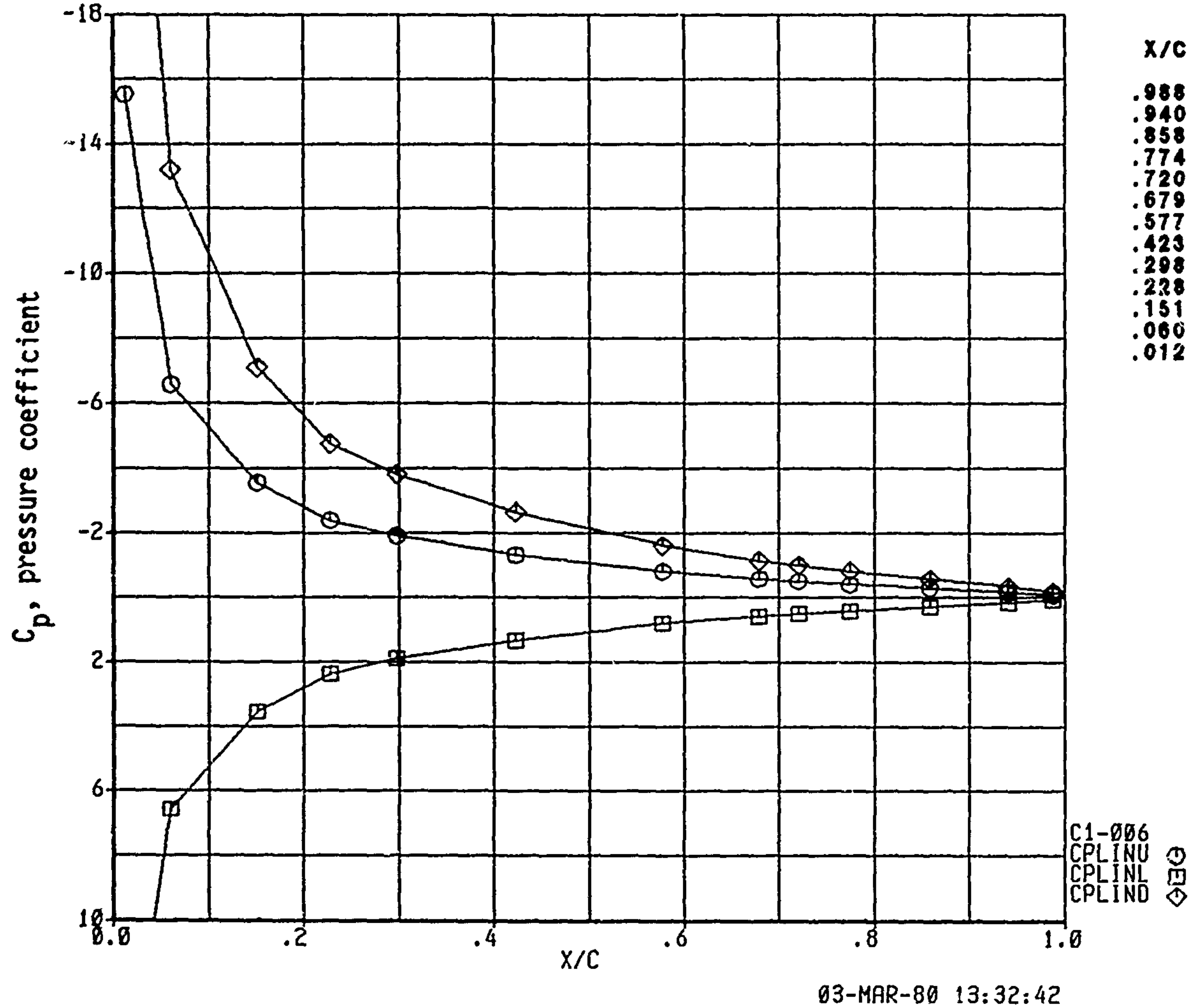



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0866 | 0.0866 | -.1732 |
| .940 | -.1803 | 0.1803 | -.3607 |
| .858 | -.3176 | 0.3176 | -.6353 |
| .774 | -.4642 | 0.4642 | -.9284 |
| .720 | -.5637 | 0.5637 | -1.127 |
| .679 | -.6451 | 0.6451 | -1.290 |
| .577 | -.9018 | 0.9018 | -1.804 |
| .423 | -1.423 | 1.4229 | -2.846 |
| .298 | -1.987 | 1.9868 | -3.974 |
| .228 | -2.432 | 2.4323 | -4.865 |
| .151 | -3.515 | 3.5154 | -7.031 |
| .060 | -6.374 | 6.3743 | -12.75 |
| .012 | -14.88 | 14.879 | -29.76 |

03-MAR-80 13:32:18

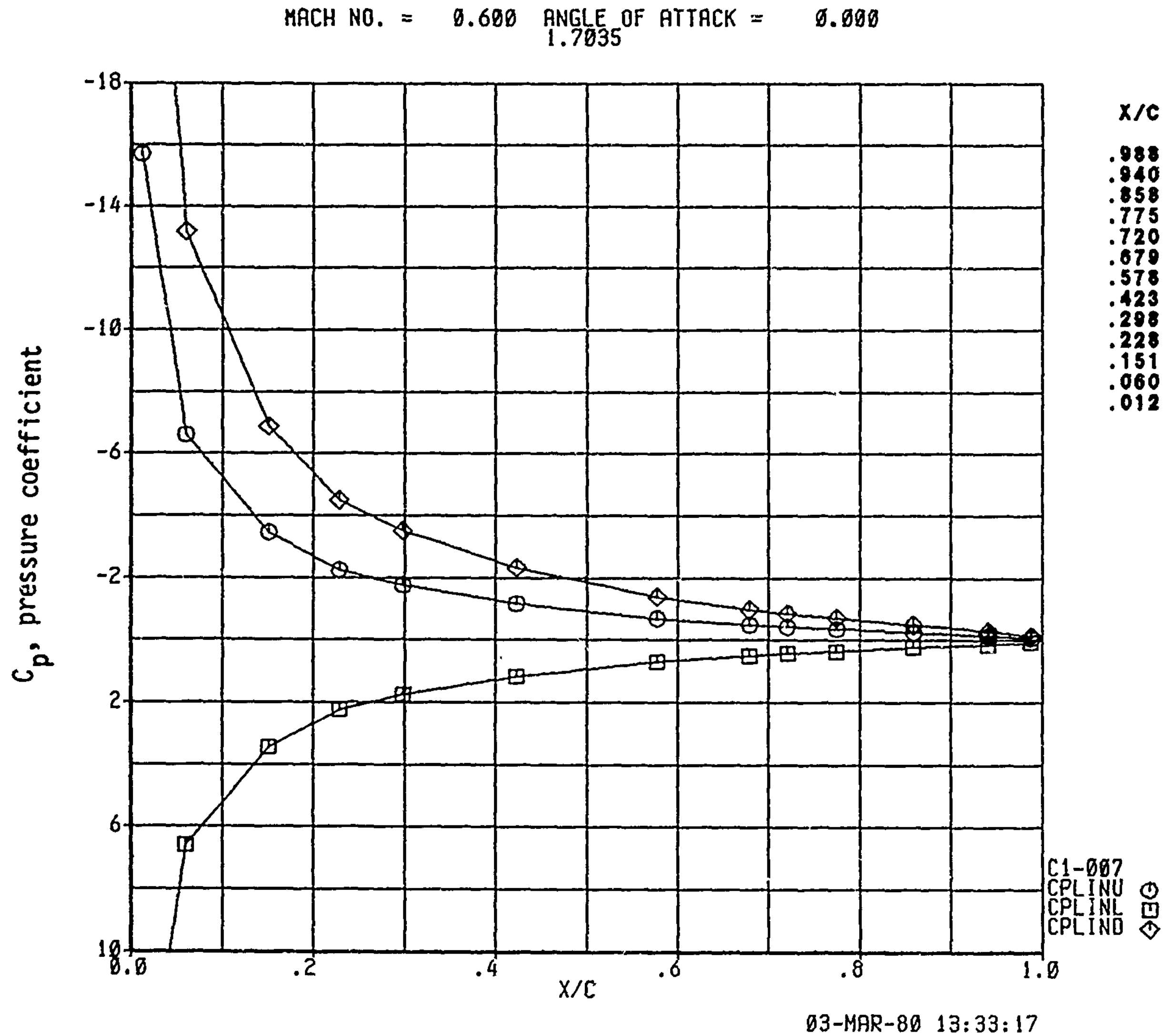
Figure 215, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0783 | 0.0783 | -.1564 |
| .940 | -.1619 | 0.1619 | -.3237 |
| .858 | -.2823 | 0.2823 | -.5645 |
| .774 | -.4101 | 0.4101 | -.8202 |
| .720 | -.4961 | 0.4961 | -.9924 |
| .679 | -.5665 | 0.5665 | -1.133 |
| .577 | -.8021 | 0.8021 | -1.604 |
| .423 | -1.321 | 1.3214 | -2.643 |
| .298 | -1.908 | 1.9075 | -3.815 |
| .228 | -2.376 | 2.3761 | -4.752 |
| .151 | -3.552 | 3.5520 | -7.104 |
| .060 | -6.596 | 6.5962 | -13.19 |
| .012 | -15.52 | 15.522 | -31.04 |

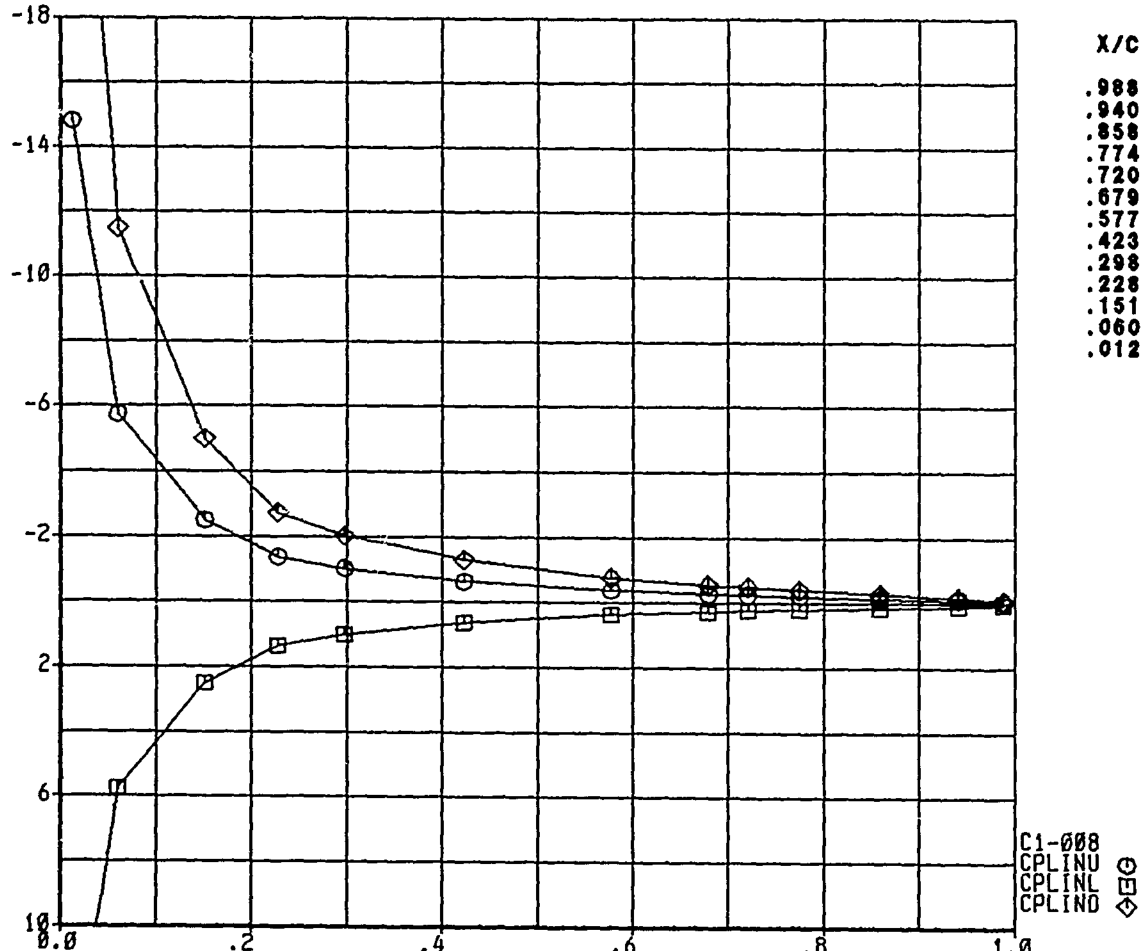
Figure 216, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0696 | 0.0696 | -.1392 |
| .940 | -.1425 | 0.1425 | -.2850 |
| .858 | -.2443 | 0.2443 | -.4886 |
| .775 | -.3557 | 0.3557 | -.7113 |
| .720 | -.4284 | 0.4284 | -.8569 |
| .679 | -.4885 | 0.4885 | -.9769 |
| .578 | -.6924 | 0.6924 | -1.385 |
| .423 | -1.165 | 1.1654 | -2.331 |
| .298 | -1.747 | 1.7469 | -3.494 |
| .228 | -2.244 | 2.2436 | -4.487 |
| .151 | -3.441 | 3.4407 | -6.881 |
| .060 | -6.599 | 6.5989 | -13.20 |
| .012 | -15.72 | 15.716 | -31.43 |

Figure 217, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.9021

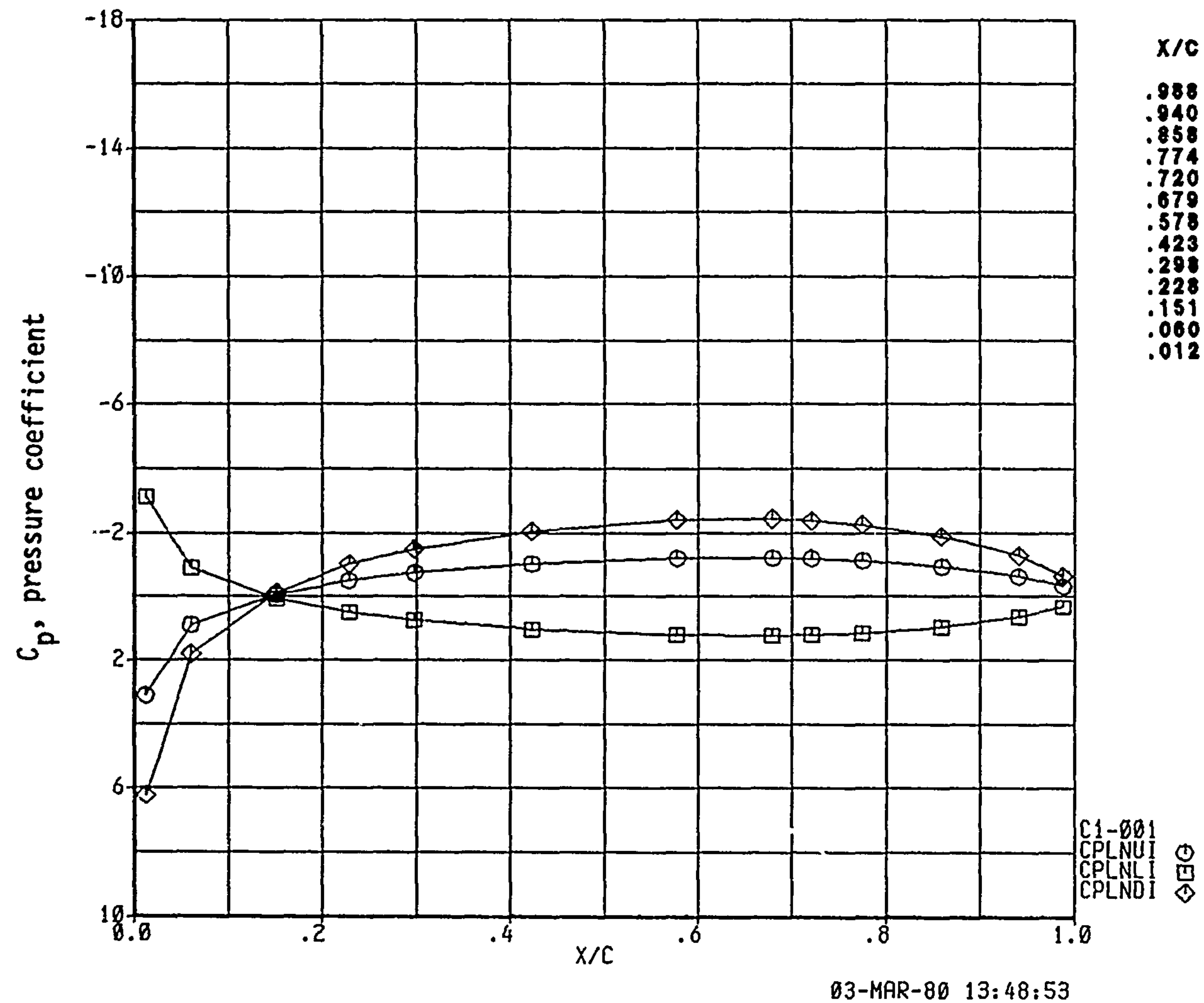



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0453 | 0.0453 | -.0906 |
| .940 | -.0891 | 0.0891 | -.1781 |
| .858 | -.1449 | 0.1449 | -.2897 |
| .774 | -.2049 | 0.2049 | -.4097 |
| .720 | -.2418 | 0.2418 | -.4836 |
| .679 | -.2732 | 0.2732 | -.5463 |
| .577 | -.3769 | 0.3769 | -.7538 |
| .423 | -.6461 | 0.6461 | -1.292 |
| .298 | -1.006 | 1.0057 | -2.011 |
| .228 | -1.364 | 1.3641 | -2.728 |
| .151 | -2.500 | 2.5003 | -5.001 |
| .060 | -5.752 | 5.7517 | -11.50 |
| .012 | -14.82 | 14.821 | -29.64 |

03-MAR-80 13:33:50

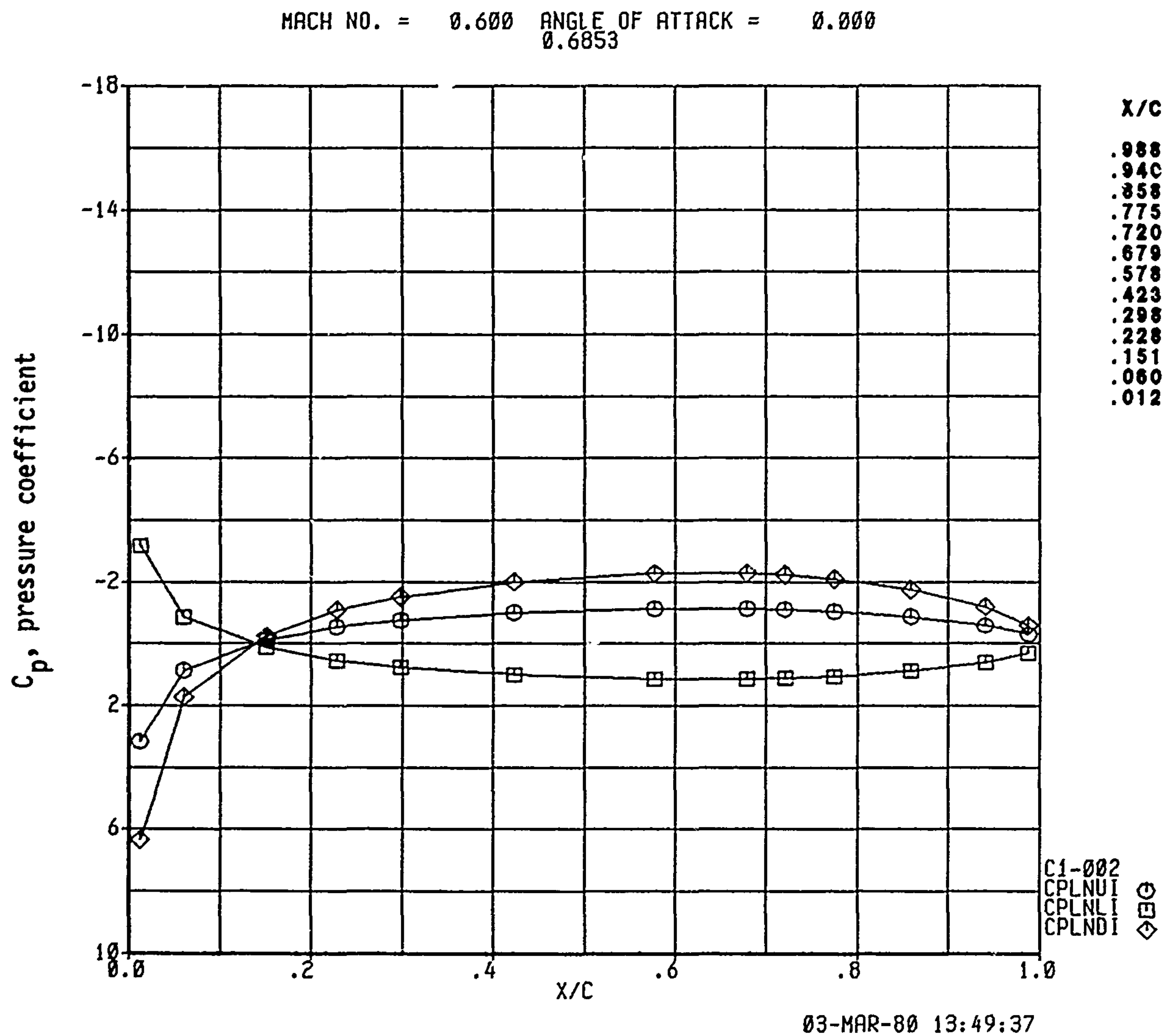
Figure 218, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3235 | 0.3235 | -.6471 |
| .940 | -.6454 | 0.6454 | -1.291 |
| .858 | -.9454 | 0.9454 | -1.891 |
| .774 | -1.136 | 1.1360 | -2.272 |
| .720 | -1.196 | 1.1957 | -2.391 |
| .679 | -1.221 | 1.2206 | -2.441 |
| .578 | -1.205 | 1.2048 | -2.409 |
| .423 | -1.027 | 1.0266 | -2.053 |
| .298 | -.7440 | 0.7440 | -1.488 |
| .228 | -.5074 | 0.5074 | -1.015 |
| .151 | -.0632 | 0.0632 | -.1266 |
| .060 | 0.9023 | -.9023 | 1.8046 |
| .012 | 3.1115 | -3.112 | 6.2231 |

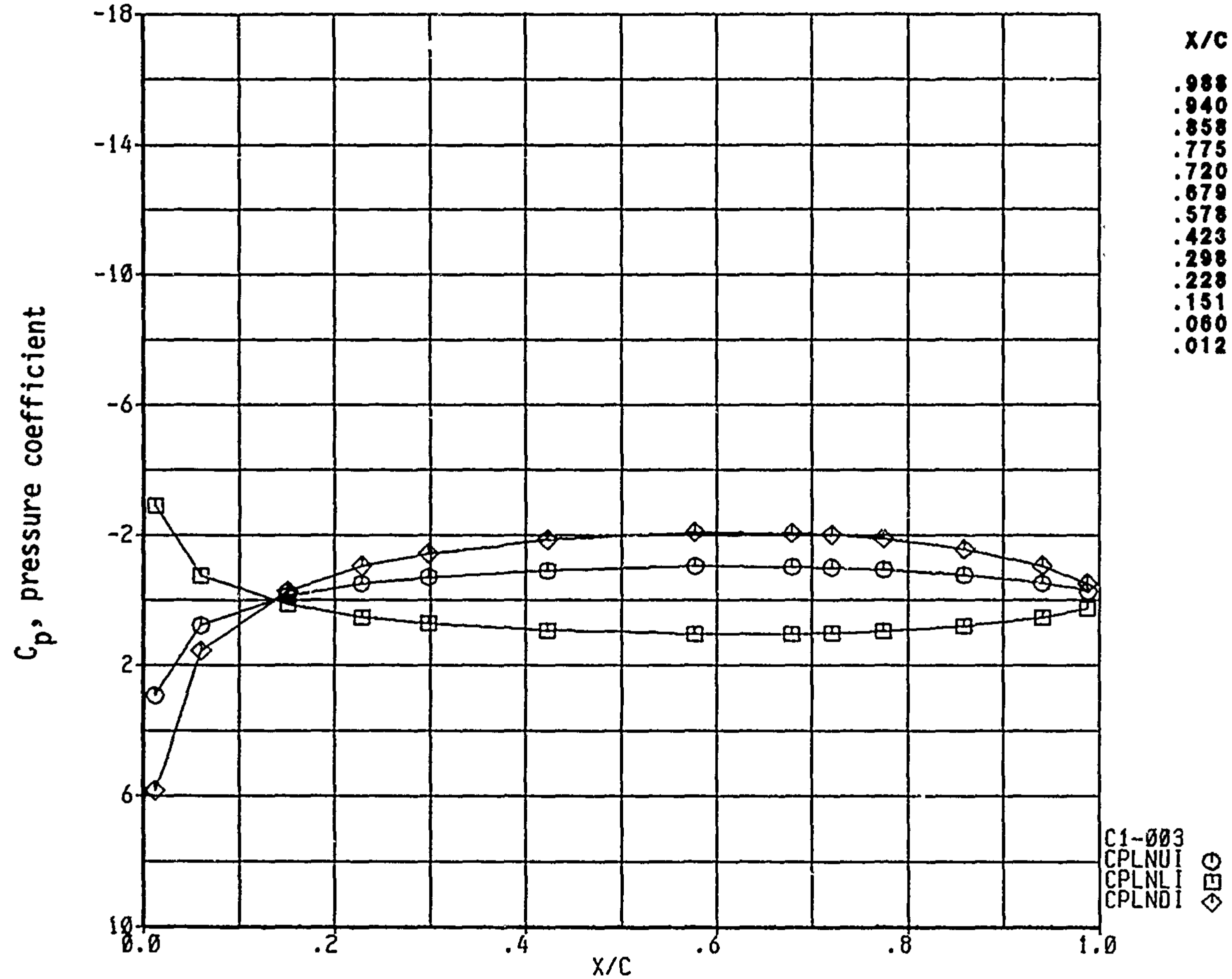
Figure 219, Chordwise Pressure Distribution, Imaginary, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2967 | 0.2967 | -.5934 |
| .94C | -.5958 | 0.5958 | -1.191 |
| .858 | -.8755 | 0.8755 | -1.751 |
| .775 | -1.054 | 1.0536 | -2.107 |
| .720 | -1.114 | 1.1136 | -2.227 |
| .679 | -1.141 | 1.1412 | -2.282 |
| .578 | -1.140 | 1.1402 | -2.280 |
| .423 | -1.001 | 1.0009 | -2.002 |
| .298 | -.7573 | 0.7573 | -1.515 |
| .228 | -.5434 | 0.5434 | -1.087 |
| .151 | -.1217 | 0.1217 | -.2434 |
| .060 | 0.8649 | -.8649 | 1.7298 |
| .012 | 3.1718 | -3.172 | 6.3436 |

Figure 220, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.9968

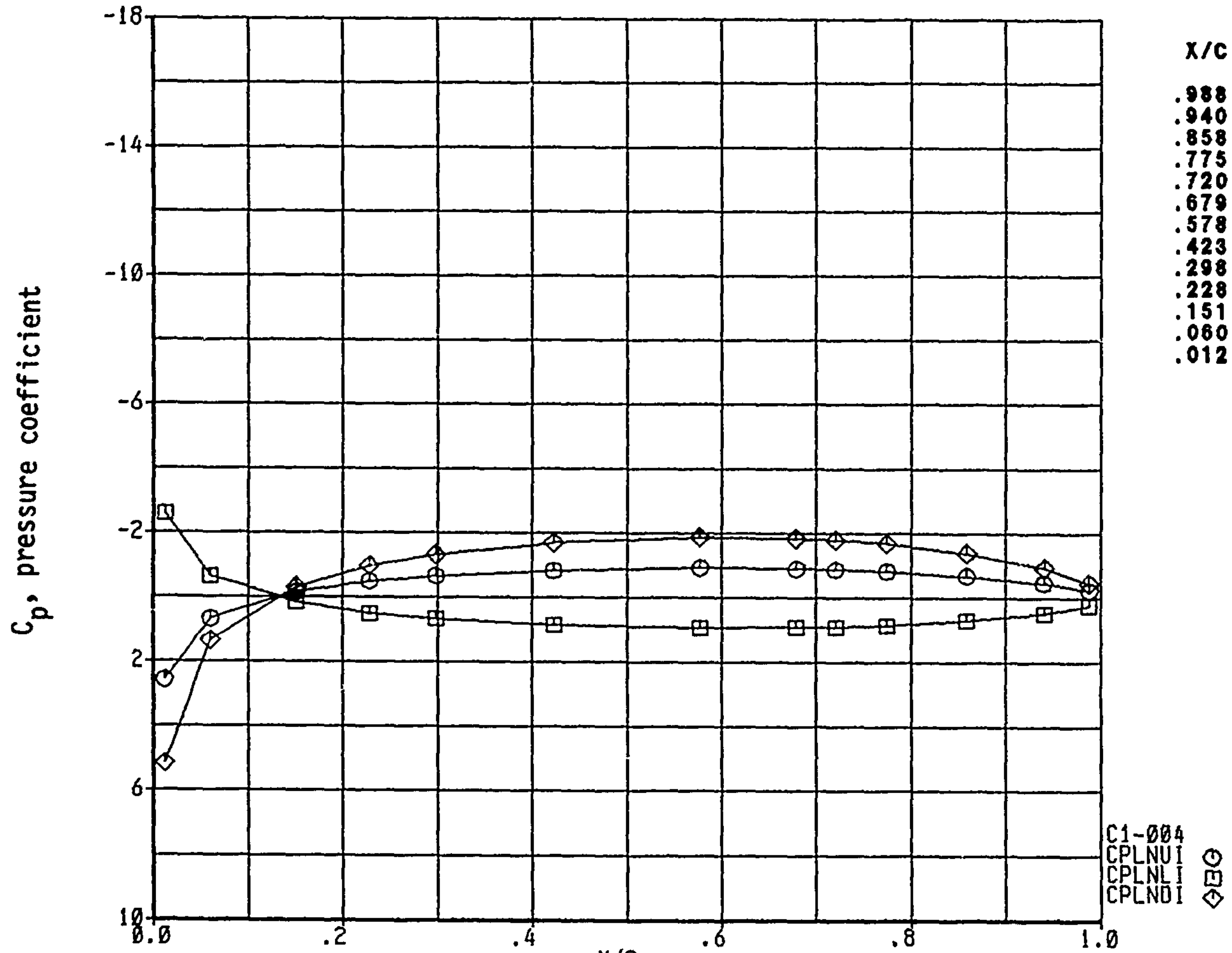



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2624 | 0.2624 | -.5249 |
| .940 | -.5309 | 0.5309 | -1.062 |
| .858 | -.7844 | 0.7844 | -1.569 |
| .775 | -.9458 | 0.9458 | -1.892 |
| .720 | -1.003 | 1.0028 | -2.006 |
| .679 | -1.031 | 1.0307 | -2.061 |
| .578 | -1.039 | 1.0389 | -2.078 |
| .423 | -.9284 | 0.9284 | -1.857 |
| .298 | -.7167 | 0.7167 | -1.433 |
| .228 | -.5255 | 0.5255 | -1.051 |
| .151 | -.1422 | 0.1422 | -.2845 |
| .060 | 0.7748 | -.7748 | 1.5496 |
| .012 | 2.9131 | -2.913 | 5.8262 |

03-MAR-80 13:49:50

Figure 221, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.2479

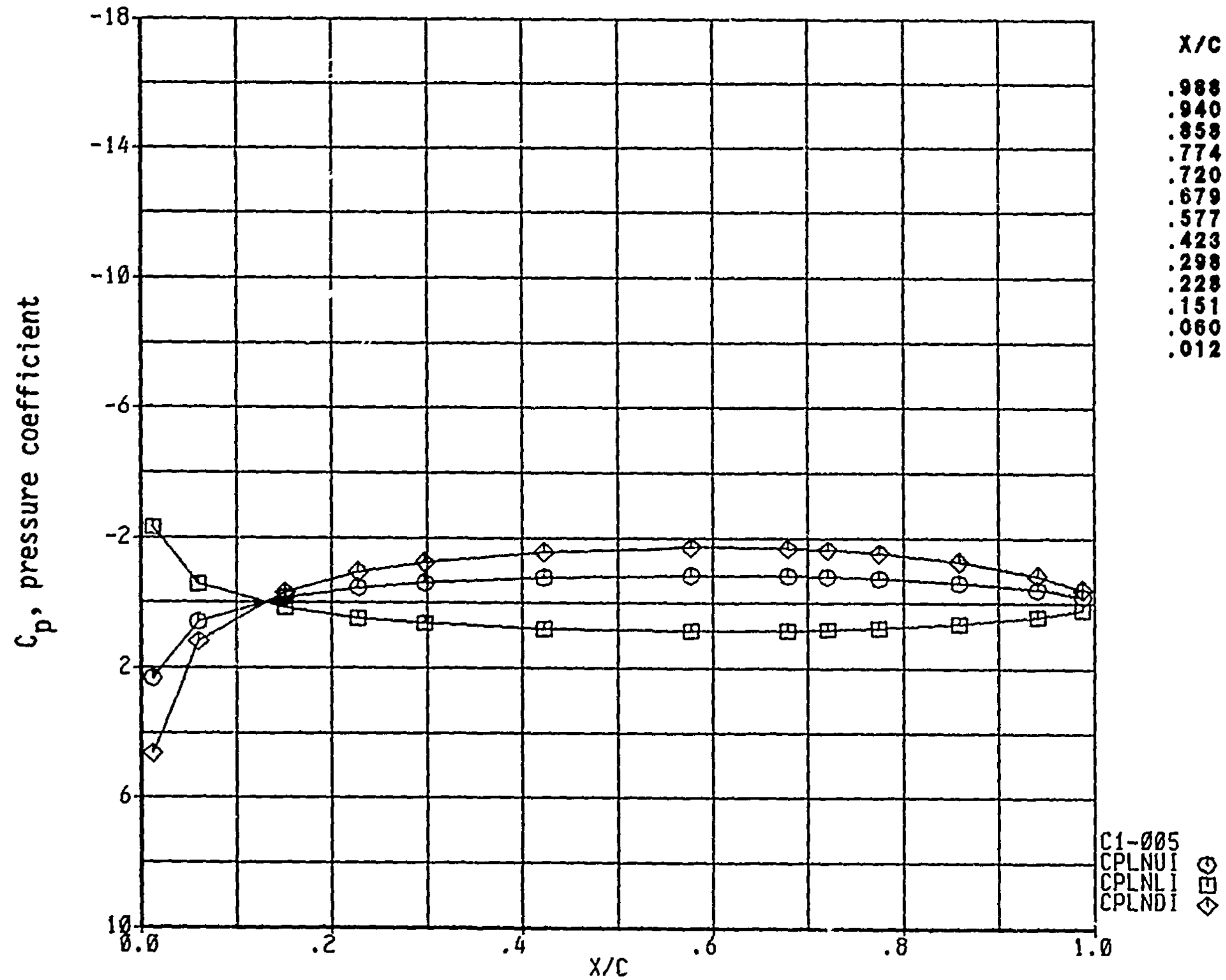



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2311 | 0.2311 | -.4622 |
| .940 | -.4683 | 0.4683 | -.9367 |
| .858 | -.6939 | 0.6939 | -1.388 |
| .775 | -.8393 | 0.8393 | -1.679 |
| .720 | -.8916 | 0.8916 | -1.783 |
| .679 | -.9182 | 0.9182 | -1.836 |
| .578 | -.9317 | 0.9317 | -1.863 |
| .423 | -.8444 | 0.8444 | -1.689 |
| .298 | -.6627 | 0.6627 | -1.325 |
| .228 | -.4943 | 0.4943 | -.9886 |
| .151 | -.1553 | 0.1553 | -.3106 |
| .060 | 0.6665 | -.6665 | 1.3329 |
| .012 | 2.5729 | -2.573 | 5.1456 |

03-MAR-80 13:50:18

Figure 222, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.4037

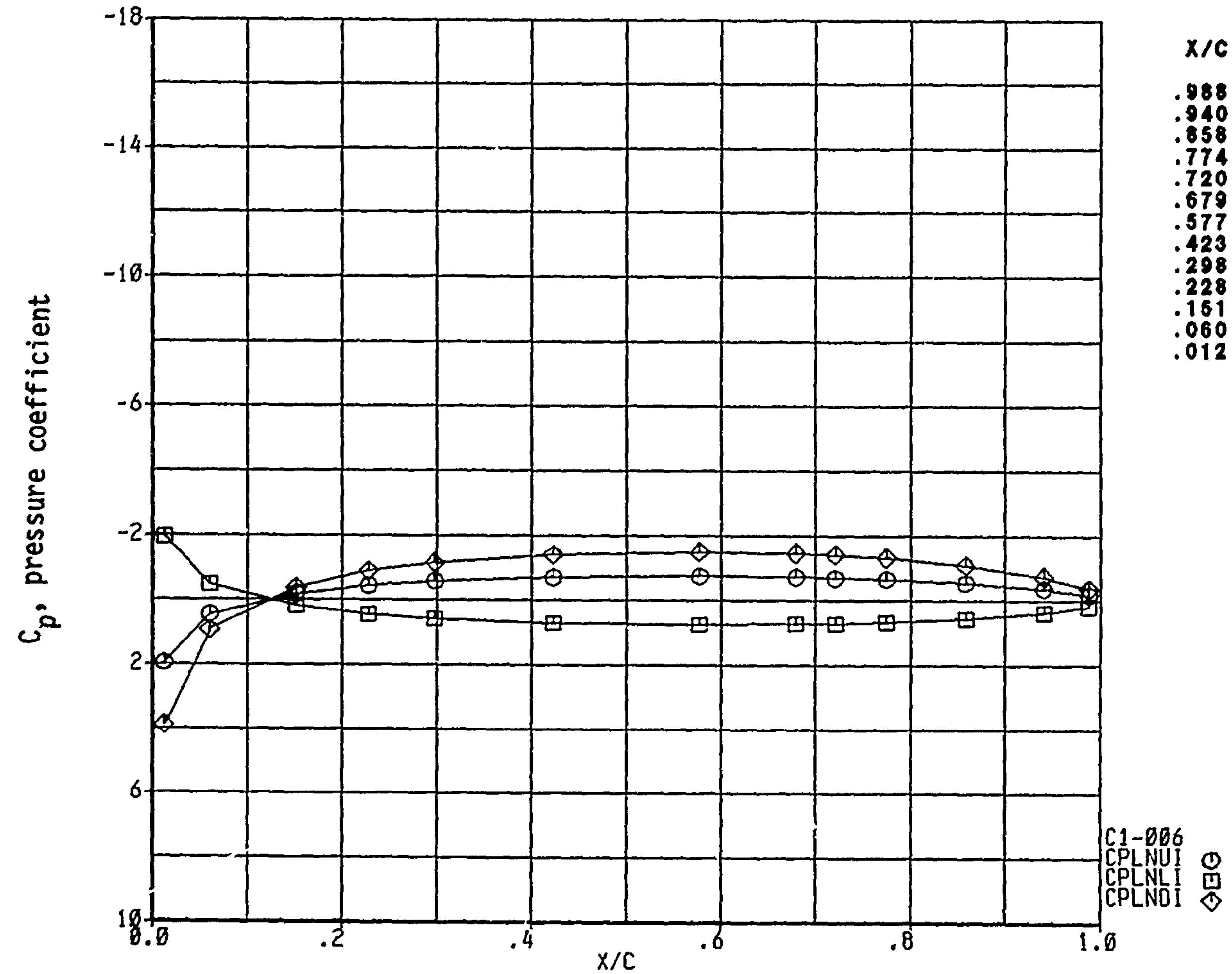



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2108 | 0.2108 | -.4216 |
| .940 | -.4254 | 0.4254 | -.8508 |
| .858 | -.6302 | 0.6302 | -1.260 |
| .774 | -.7647 | 0.7647 | -1.529 |
| .720 | -.8131 | 0.8131 | -1.626 |
| .679 | -.8383 | 0.8383 | -1.676 |
| .577 | -.8544 | 0.8544 | -1.709 |
| .423 | -.7826 | 0.7826 | -1.565 |
| .298 | -.6231 | 0.6231 | -1.246 |
| .228 | -.4721 | 0.4721 | -.9441 |
| .151 | -.1645 | 0.1645 | -.3289 |
| .060 | 0.5858 | -.5858 | 1.1715 |
| .012 | 2.3167 | -2.317 | 4.6333 |

03-MAR-80 13:50:35

Figure 223, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.5906

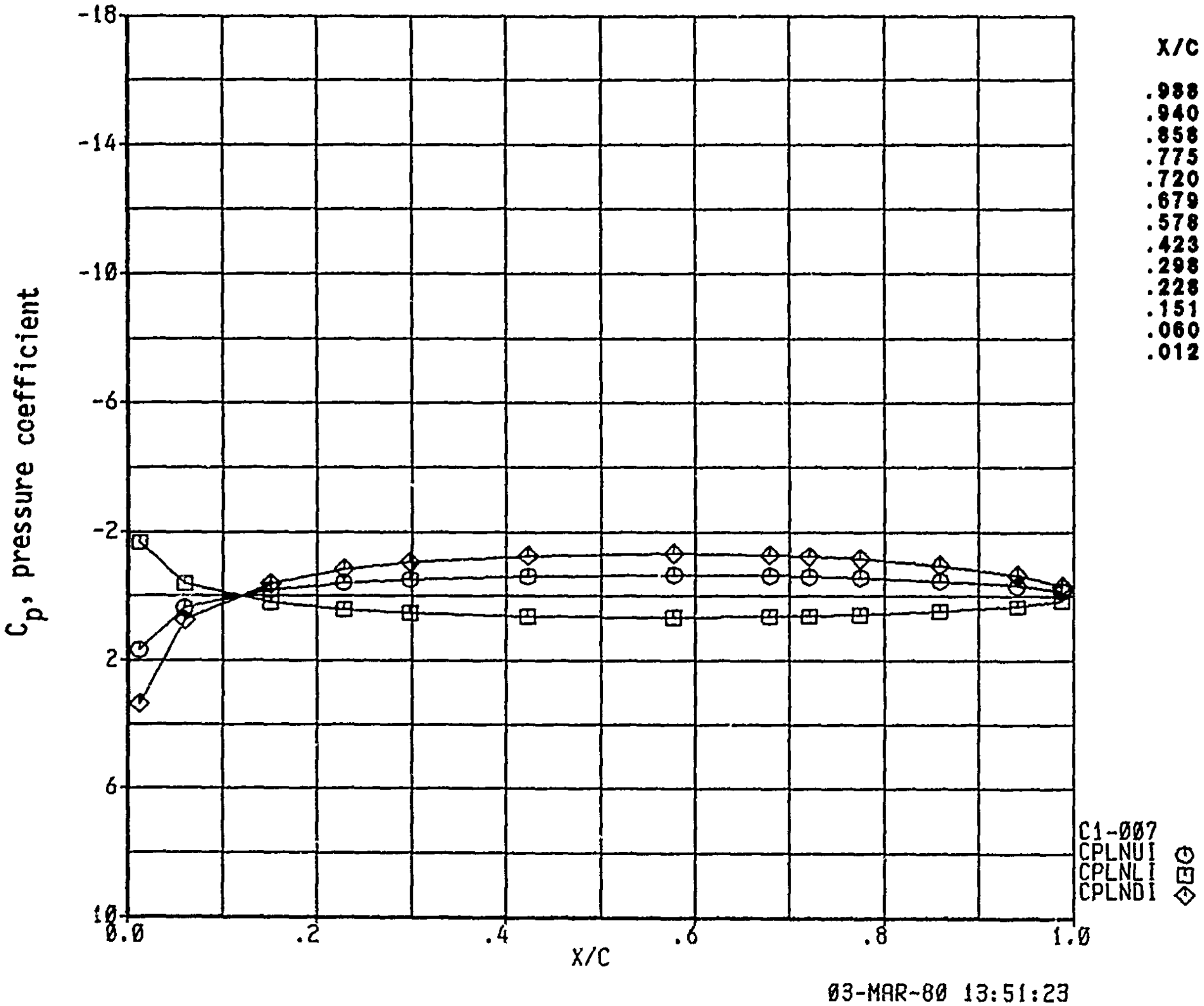



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1822 | 0.1822 | -.3644 |
| .940 | -.3679 | 0.3679 | -.7357 |
| .858 | -.5437 | 0.5437 | -1.087 |
| .774 | -.6605 | 0.6605 | -1.321 |
| .720 | -.7033 | 0.7033 | -1.406 |
| .679 | -.7264 | 0.7264 | -1.453 |
| .577 | -.7459 | 0.7459 | -1.492 |
| .423 | -.6962 | 0.6962 | -1.393 |
| .298 | -.5684 | 0.5684 | -1.137 |
| .228 | -.4432 | 0.4432 | -.8862 |
| .151 | -.1795 | 0.1795 | -.3592 |
| .060 | 0.4666 | -.4666 | 0.9333 |
| .012 | 1.9456 | -1.946 | 3.8912 |

03-MAR-80 13:51:05

Figure 224, Chordwise Pressure Distribution, Imaginary, Configuration 1

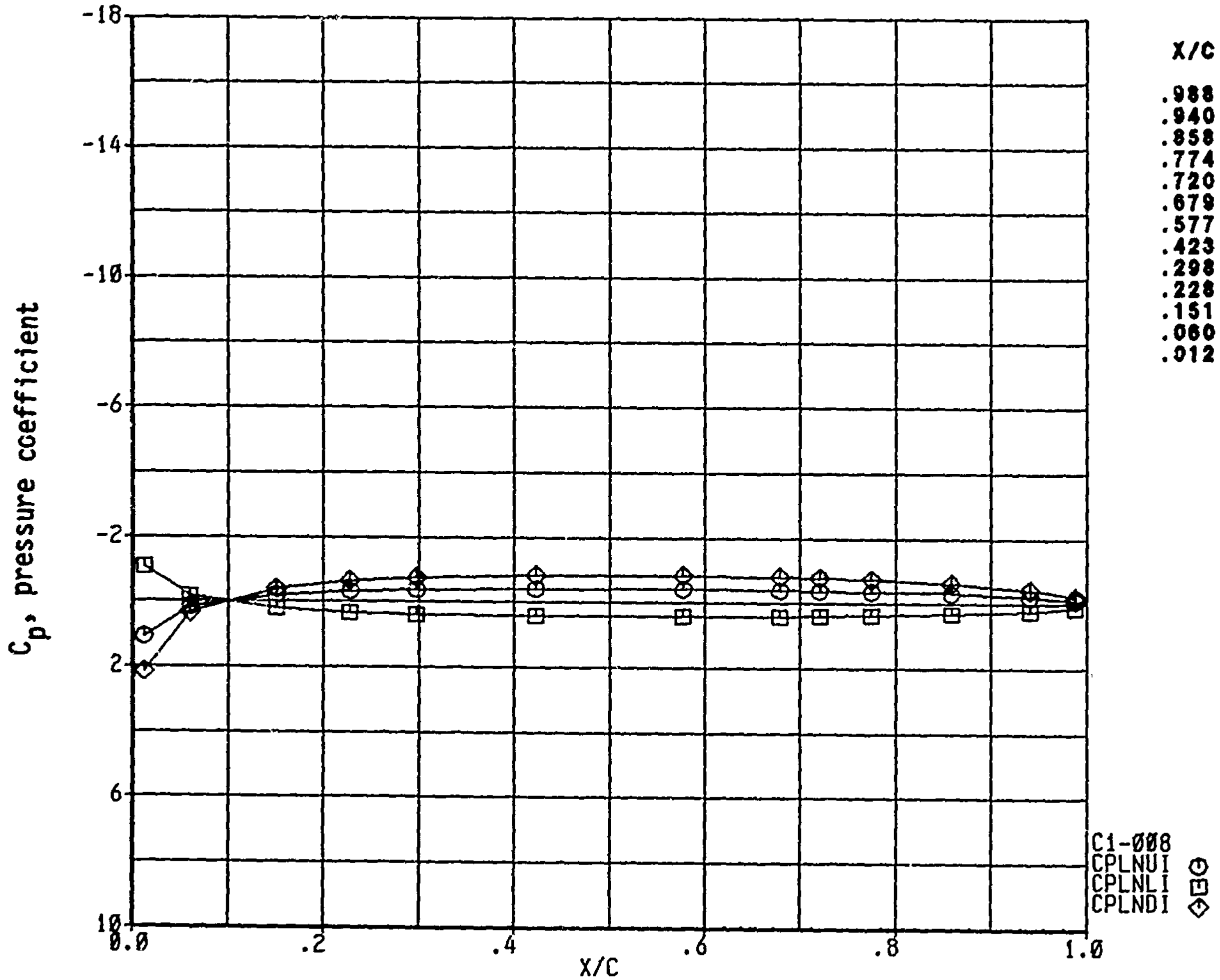
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1584 | 0.1584 | -.3169 |
| .940 | -.3242 | 0.3242 | -.6485 |
| .858 | -.4806 | 0.4806 | -.9613 |
| .775 | -.5795 | 0.5795 | -1.159 |
| .720 | -.6173 | 0.6173 | -1.235 |
| .679 | -.6384 | 0.6384 | -1.277 |
| .578 | -.6596 | 0.6596 | -1.319 |
| .423 | -.6271 | 0.6271 | -1.254 |
| .298 | -.5246 | 0.5246 | -1.049 |
| .228 | -.4184 | 0.4184 | -.8367 |
| .151 | -.1931 | 0.1931 | -.3861 |
| .060 | 0.3775 | -.3775 | 0.7549 |
| .012 | 1.6749 | -1.675 | 3.3499 |

Figure 225, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.9021

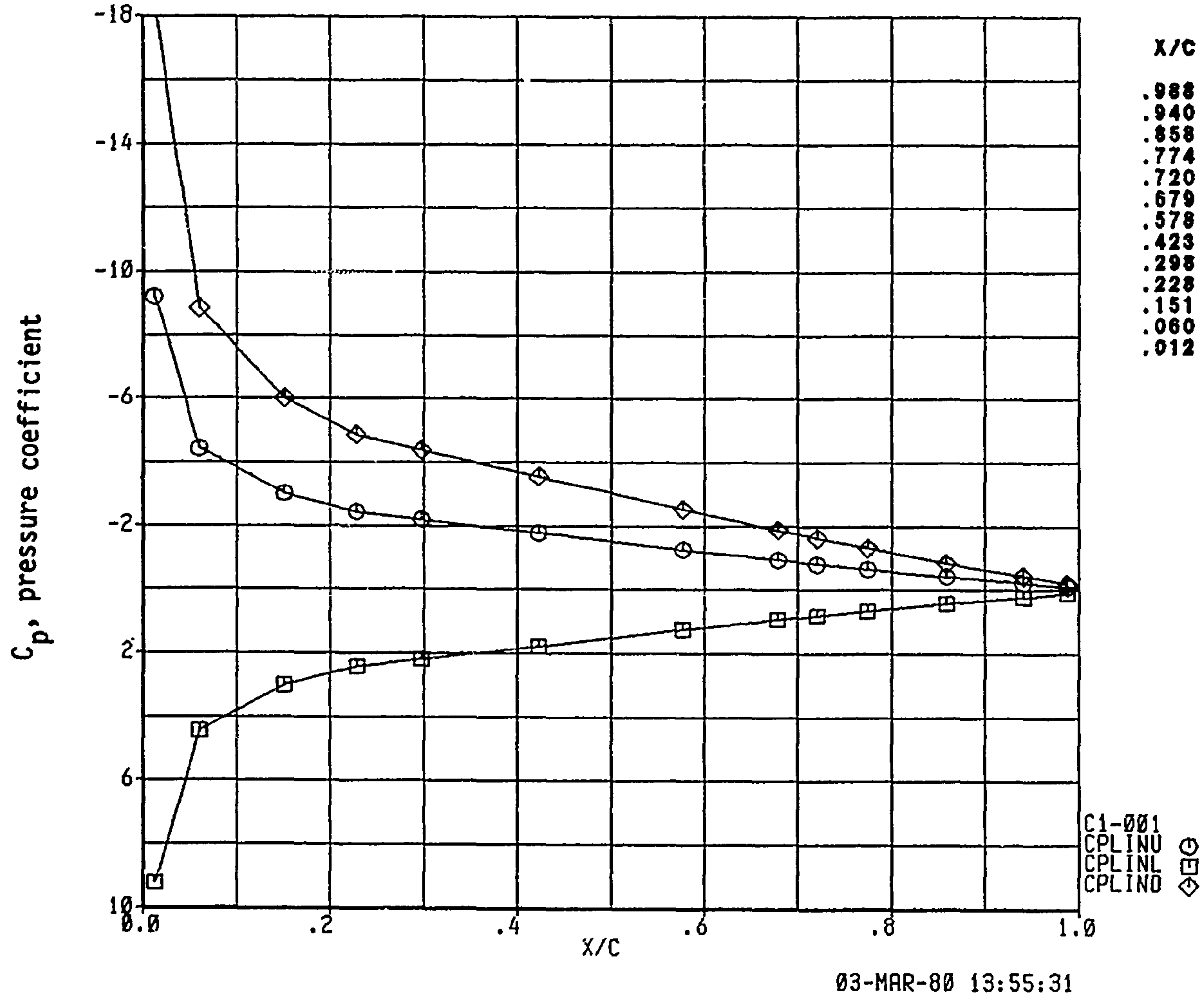



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1099 | 0.1099 | -.2197 |
| .940 | -.2191 | 0.2191 | -.4382 |
| .858 | -.3175 | 0.3175 | -.6350 |
| .774 | -.3762 | 0.3762 | -.7525 |
| .720 | -.3972 | 0.3972 | -.7944 |
| .679 | -.4103 | 0.4103 | -.8206 |
| .577 | -.4271 | 0.4271 | -.8542 |
| .423 | -.4234 | 0.4234 | -.8468 |
| .298 | -.3831 | 0.3831 | -.7663 |
| .228 | -.3340 | 0.3340 | -.6680 |
| .151 | -.2056 | 0.2056 | -.4113 |
| .060 | 0.1766 | -.1766 | 0.3531 |
| .012 | 1.0748 | -1.075 | 2.1495 |

03-MAR-80 13:52:15

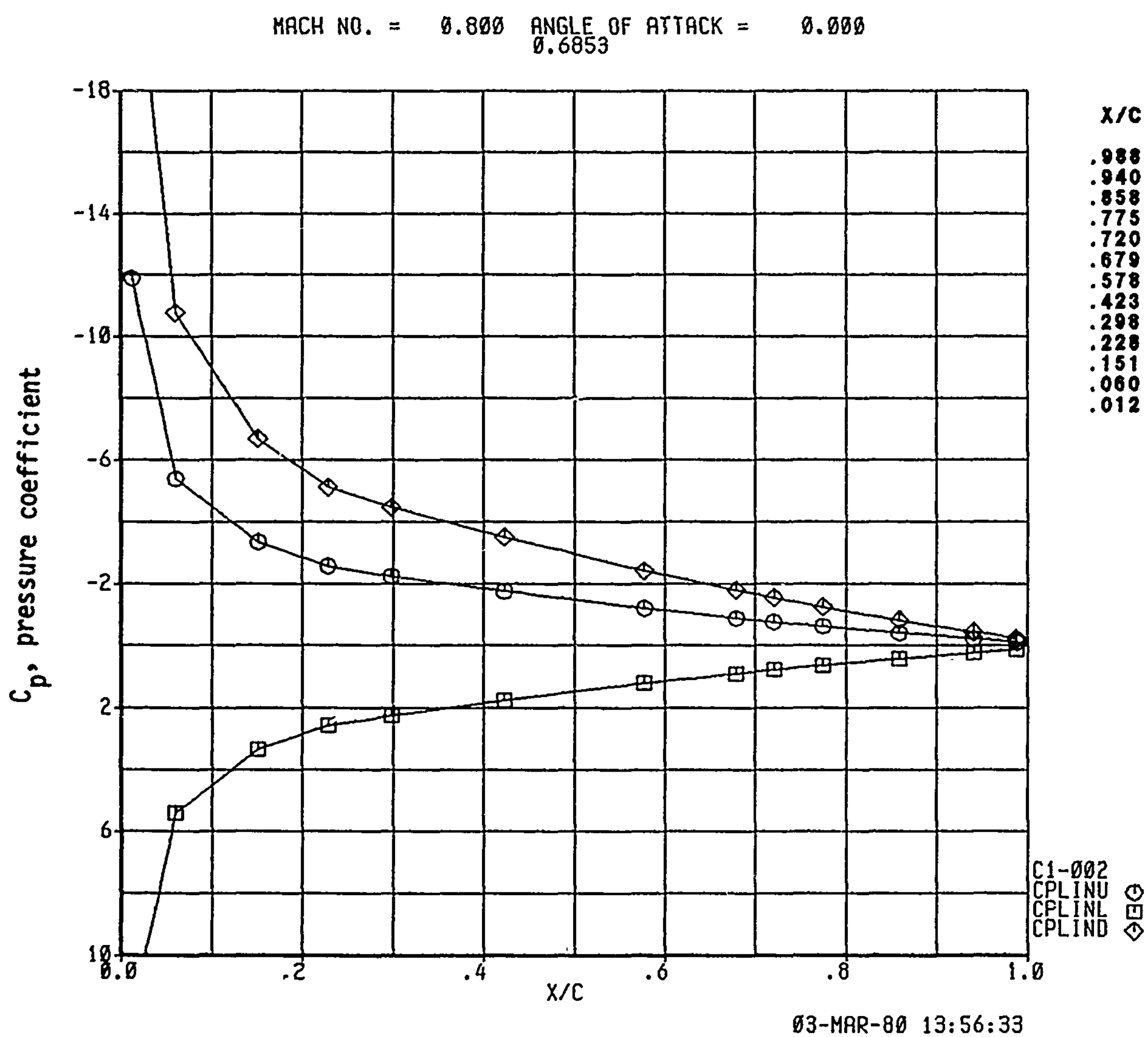
Figure 226, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1025 | 0.1025 | -.2049 |
| .940 | -.2132 | 0.2132 | -.4265 |
| .858 | -.4144 | 0.4144 | -.8289 |
| .774 | -.6548 | 0.6548 | -1.309 |
| .720 | -.8112 | 0.8112 | -1.622 |
| .679 | -.9351 | 0.9351 | -1.870 |
| .578 | -1.259 | 1.2587 | -2.517 |
| .423 | -1.778 | 1.7779 | -3.556 |
| .298 | -2.187 | 2.1866 | -4.373 |
| .228 | -2.434 | 2.4335 | -4.867 |
| .151 | -3.006 | 3.0061 | -6.012 |
| .060 | -4.426 | 4.4265 | -8.853 |
| .012 | -9.211 | 9.2108 | -18.42 |

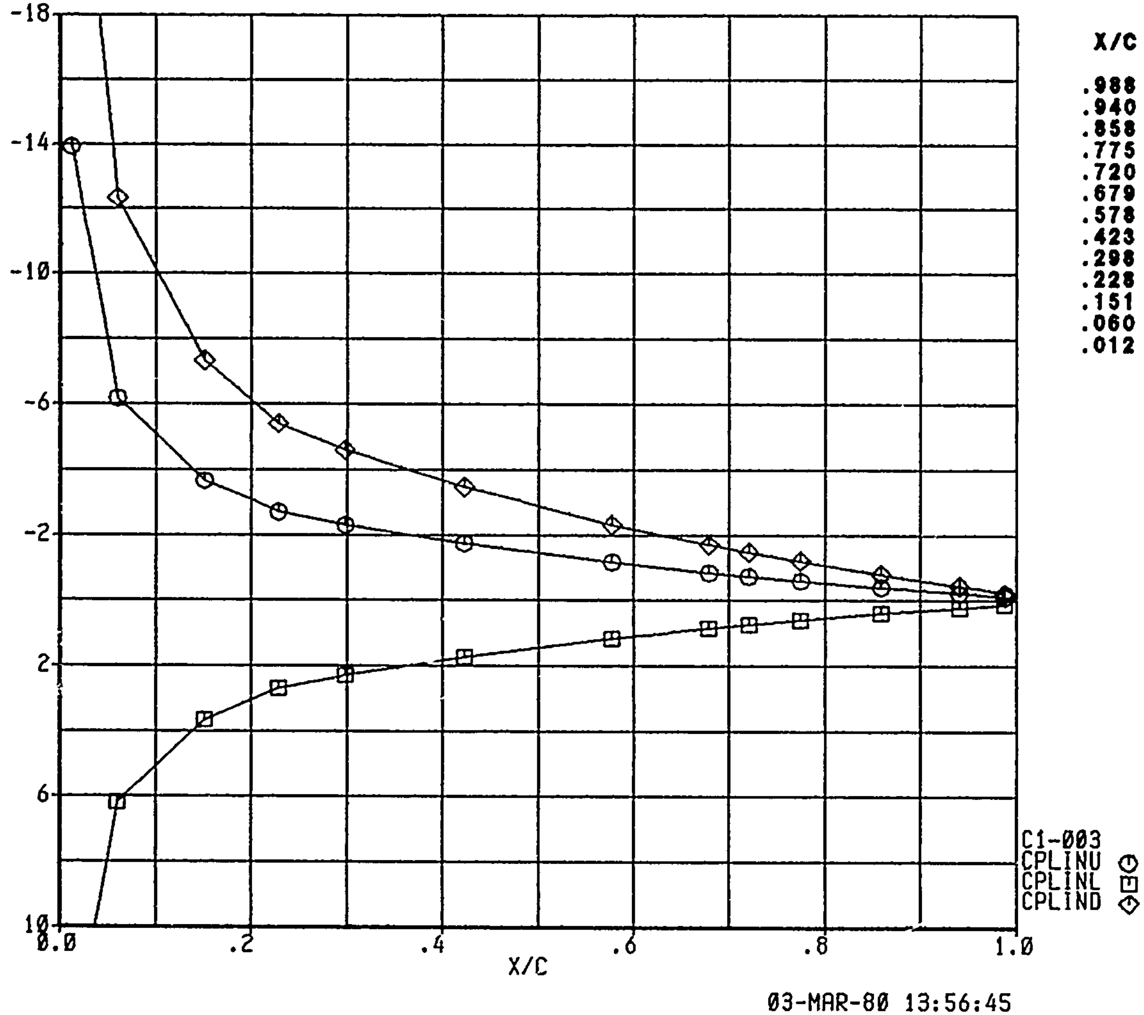
Figure 227, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1071 | 0.1071 | -.2140 |
| .940 | -.2183 | 0.2183 | -.4366 |
| .858 | -.4079 | 0.4079 | -.8158 |
| .775 | -.6280 | 0.6280 | -1.256 |
| .720 | -.7739 | 0.7739 | -1.548 |
| .679 | -.8900 | 0.8900 | -1.780 |
| .578 | -1.207 | 1.2067 | -2.413 |
| .423 | -1.750 | 1.7499 | -3.500 |
| .298 | -2.233 | 2.2327 | -4.465 |
| .228 | -2.560 | 2.5599 | -5.120 |
| .151 | -3.343 | 3.3431 | -6.686 |
| .060 | -5.388 | 5.3878 | -10.78 |
| .012 | -11.90 | 11.898 | -23.80 |

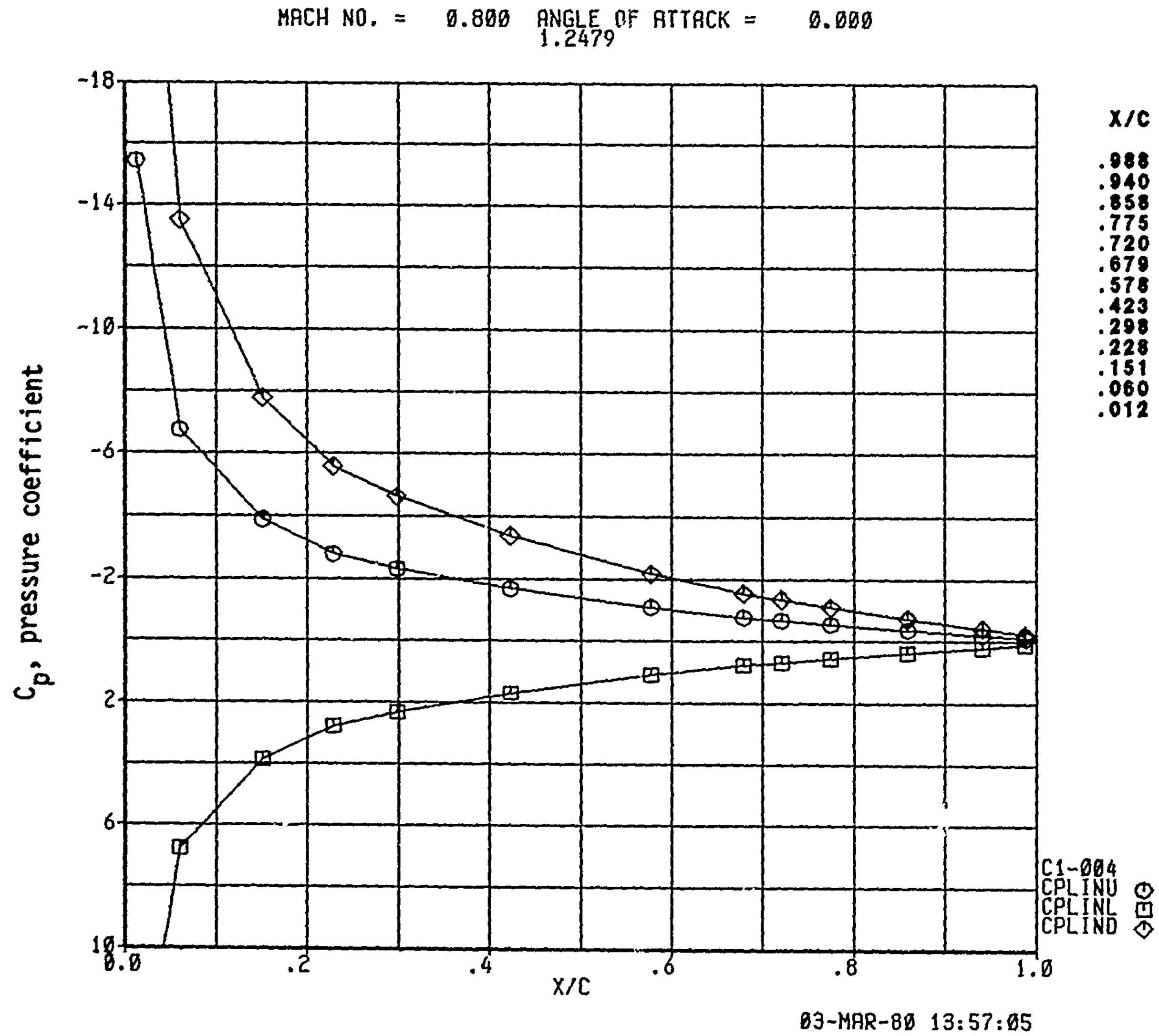
Figure 228, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1087 | 0.1087 | -.2175 |
| .940 | -.2182 | 0.2182 | -.4365 |
| .858 | -.3949 | 0.3949 | -.7898 |
| .775 | -.5972 | 0.5972 | -1.194 |
| .720 | -.7331 | 0.7331 | -1.466 |
| .679 | -.8426 | 0.8426 | -1.685 |
| .578 | -1.158 | 1.1581 | -2.316 |
| .423 | -1.736 | 1.7362 | -3.472 |
| .298 | -2.297 | 2.2974 | -4.595 |
| .228 | -2.699 | 2.6991 | -5.398 |
| .151 | -3.660 | 3.6601 | -7.320 |
| .060 | -6.173 | 6.1731 | -12.35 |
| .012 | -13.93 | 13.928 | -27.86 |

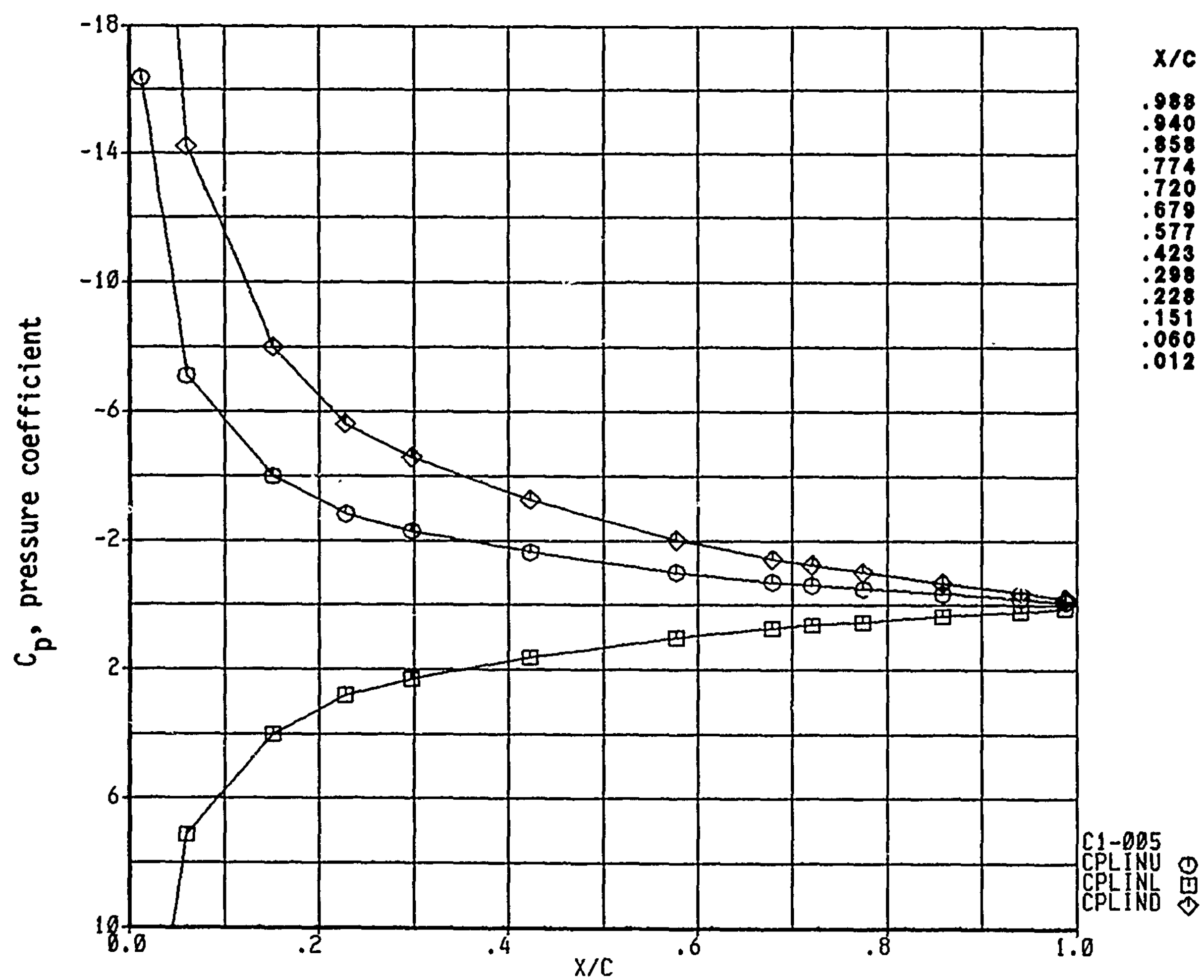
Figure 229, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1057 | 0.1057 | -.2113 |
| .940 | -.2093 | 0.2093 | -.4186 |
| .858 | -.3705 | 0.3705 | -.7410 |
| .775 | -.5522 | 0.5522 | -1.104 |
| .720 | -.6752 | 0.6752 | -1.350 |
| .679 | -.7763 | 0.7763 | -1.553 |
| .578 | -1.086 | 1.0864 | -2.173 |
| .423 | -1.693 | 1.6926 | -3.385 |
| .298 | -2.320 | 2.3201 | -4.640 |
| .228 | -2.789 | 2.7892 | -5.578 |
| .151 | -3.887 | 3.8866 | -7.773 |
| .060 | -6.756 | 6.7562 | -13.51 |
| .012 | -15.45 | 15.447 | -30.89 |

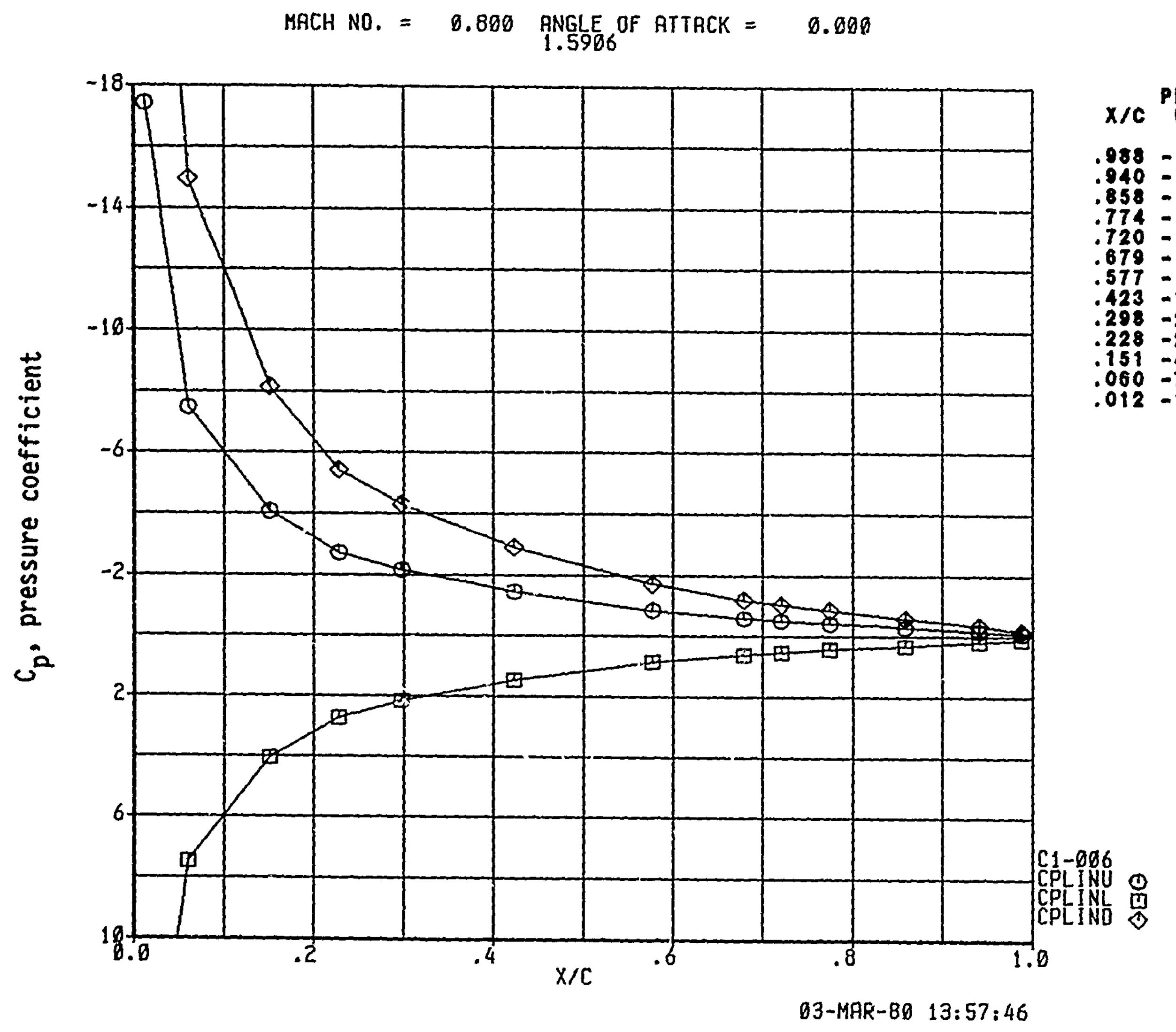
Figure 230, Chordwise Pressure Distribution, Real, Configuration I

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1012 | 0.1012 | -.2024 |
| .940 | -.1981 | 0.1981 | -.3961 |
| .858 | -.3458 | 0.3458 | -.6917 |
| .774 | -.5095 | 0.5095 | -1.019 |
| .720 | -.6197 | 0.6197 | -1.239 |
| .679 | -.7117 | 0.7117 | -1.423 |
| .577 | -1.011 | 1.0106 | -2.021 |
| .423 | -1.629 | 1.6290 | -3.258 |
| .298 | -2.293 | 2.2927 | -4.585 |
| .228 | -2.805 | 2.8052 | -5.610 |
| .151 | -4.002 | 4.0015 | -8.003 |
| .060 | -7.107 | 7.1071 | -14.21 |
| .012 | -16.37 | 16.375 | -32.75 |

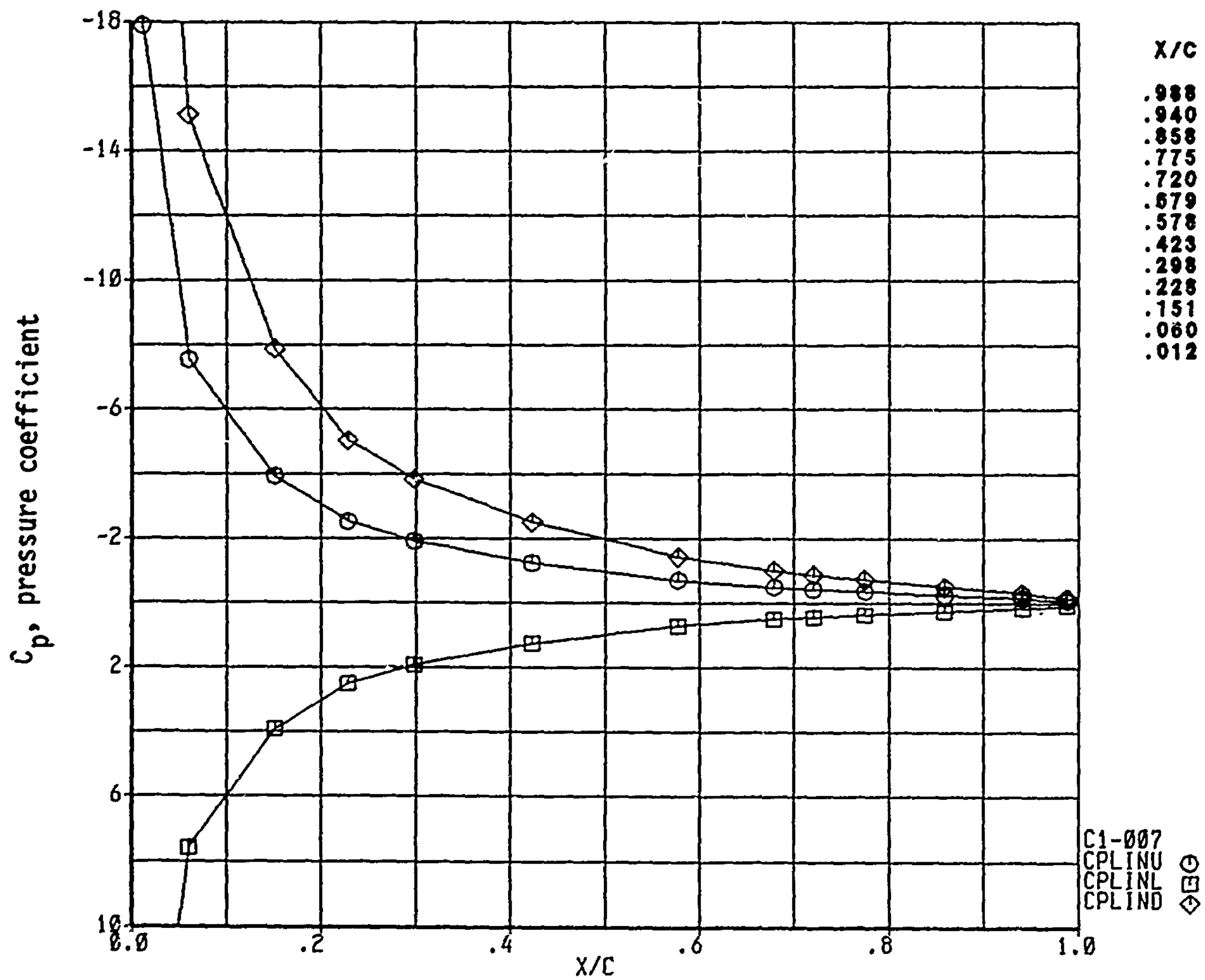
Figure 231, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0889 | 0.0889 | -.1778 |
| .940 | -.1745 | 0.1745 | -.3490 |
| .858 | -.2989 | 0.2989 | -.5977 |
| .774 | -.4334 | 0.4334 | -.8668 |
| .720 | -.5226 | 0.5226 | -1.045 |
| .679 | -.5970 | 0.5970 | -1.194 |
| .577 | -.8568 | 0.8568 | -1.714 |
| .423 | -1.459 | 1.4587 | -2.917 |
| .298 | -2.153 | 2.1530 | -4.306 |
| .228 | -2.715 | 2.7152 | -5.431 |
| .151 | -4.065 | 4.0654 | -8.131 |
| .060 | -7.479 | 7.4787 | -14.96 |
| .012 | -17.43 | 17.427 | -34.85 |

Figure 232, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.7035

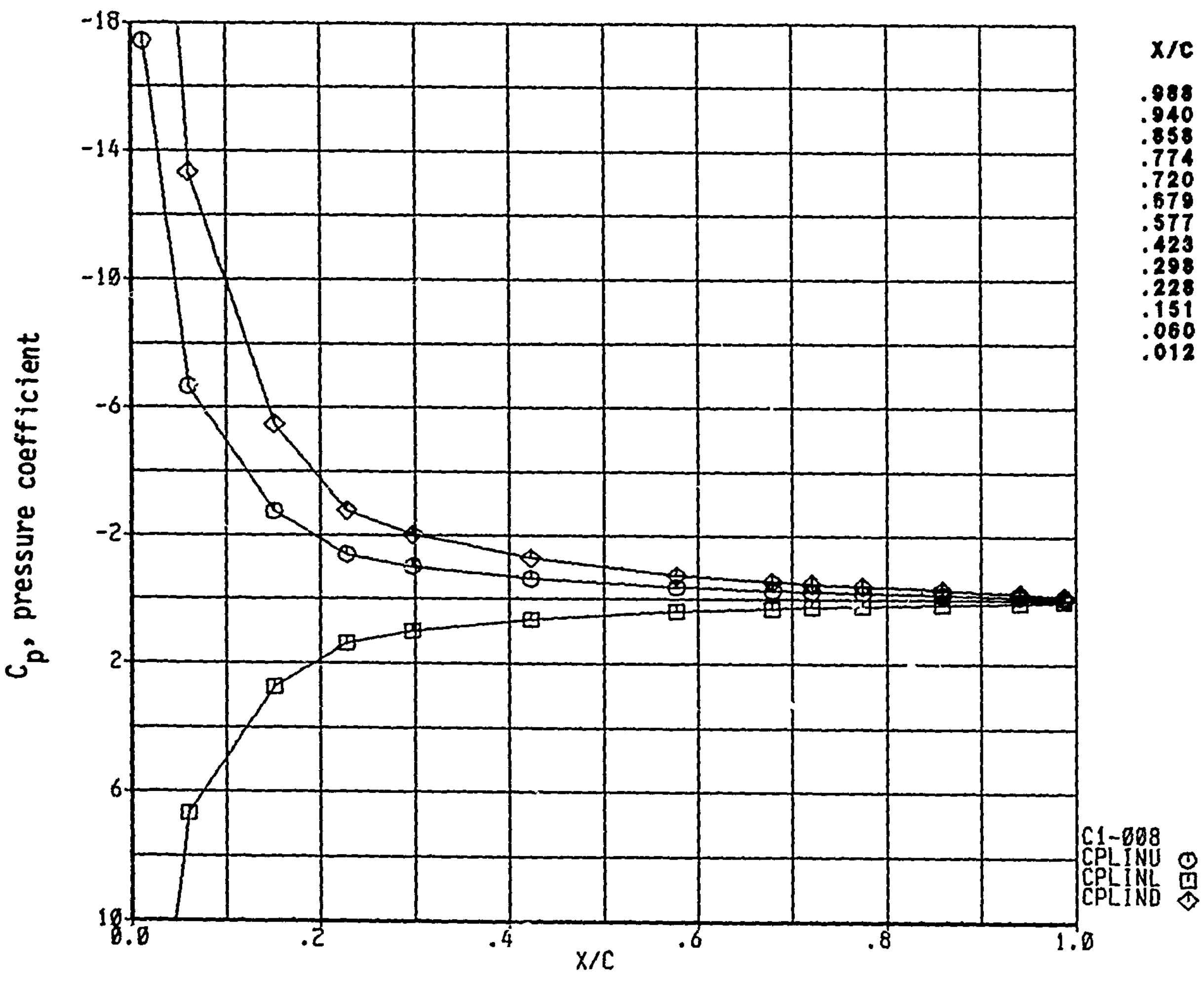



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0785 | 0.0785 | -.1571 |
| .940 | -.1530 | 0.1530 | -.3060 |
| .858 | -.2571 | 0.2571 | -.5141 |
| .775 | -.3699 | 0.3699 | -.7397 |
| .720 | -.4410 | 0.4410 | -.8819 |
| .679 | -.5014 | 0.5014 | -1.003 |
| .578 | -.7157 | 0.7157 | -1.431 |
| .423 | -1.245 | 1.2454 | -2.491 |
| .298 | -1.918 | 1.9180 | -3.836 |
| .228 | -2.520 | 2.5201 | -5.040 |
| .151 | -3.934 | 3.9340 | -7.868 |
| .060 | -7.561 | 7.5614 | -15.12 |
| .012 | -17.89 | 17.895 | -35.79 |

03-MAR-80 13:58:12

Figure 233, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.9021

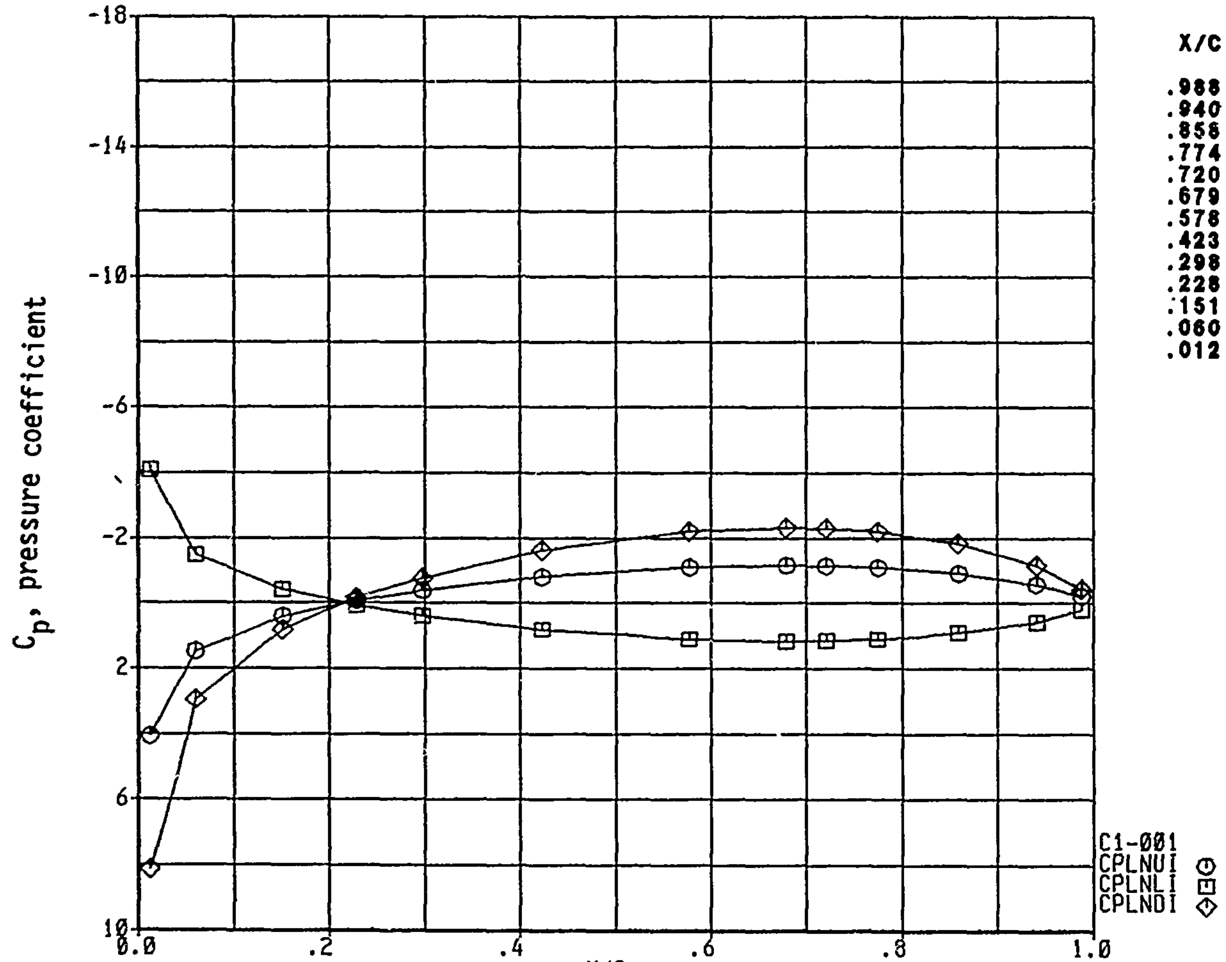



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0539 | 0.0539 | -.1078 |
| .940 | -.0992 | 0.0992 | -.1984 |
| .858 | -.1544 | 0.1544 | -.3087 |
| .774 | -.2120 | 0.2120 | -.4241 |
| .720 | -.2463 | 0.2463 | -.4926 |
| .679 | -.2774 | 0.2774 | -.5548 |
| .577 | -.3763 | 0.3763 | -.7526 |
| .423 | -.6443 | 0.6443 | -1.288 |
| .298 | -1.005 | 1.0048 | -2.010 |
| .228 | -1.380 | 1.3802 | -2.760 |
| .151 | -2.744 | 2.7440 | -5.488 |
| .060 | -6.668 | 6.6685 | -13.34 |
| .012 | -17.44 | 17.443 | -34.89 |

03-MAR-80 13:58:33

Figure 234, Chordwise Pressure Distribution, Real, Configuration 1

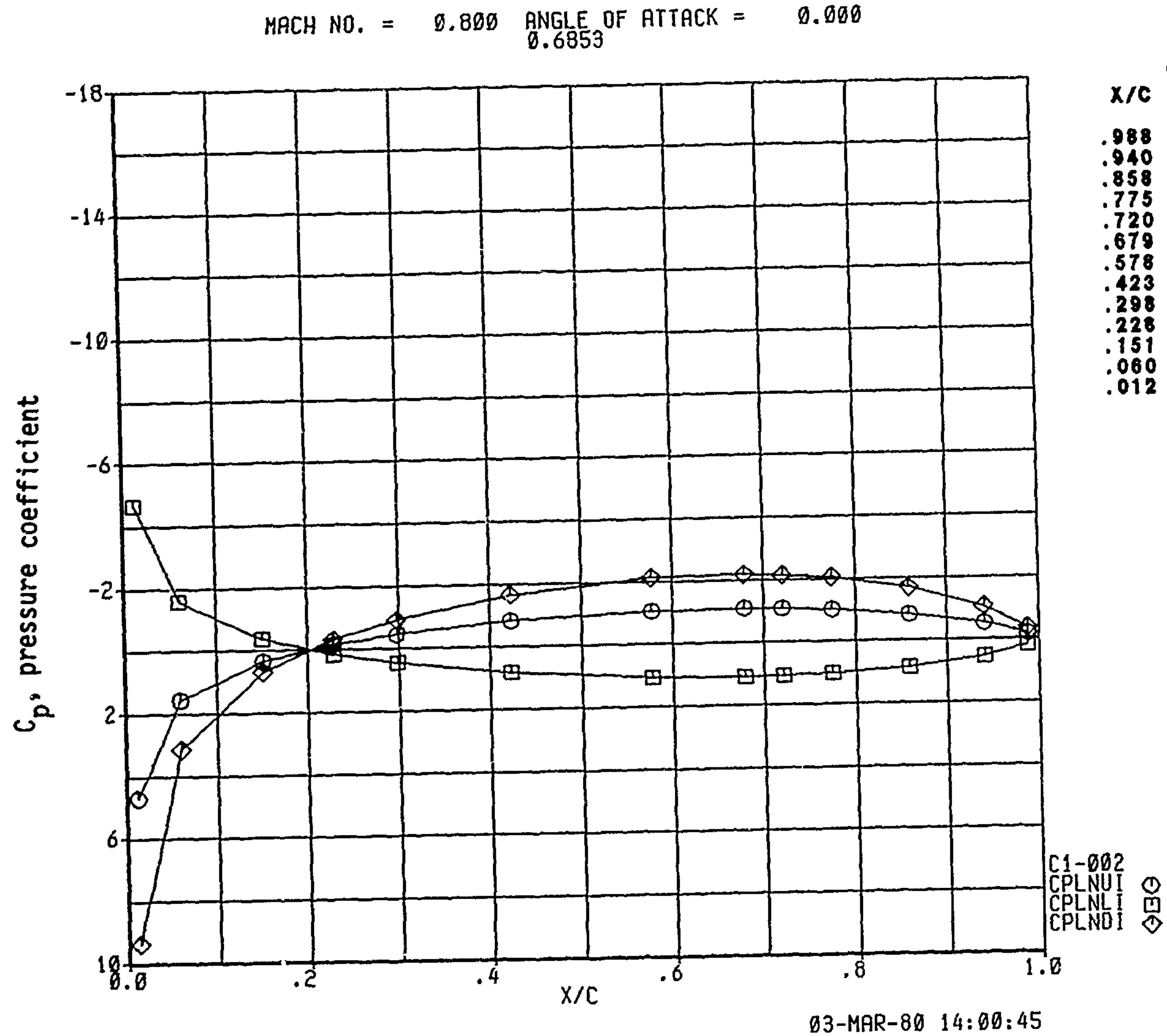
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2067 | 0.2067 | -.4135 |
| .940 | -.5787 | 0.5787 | -1.158 |
| .856 | -.9139 | 0.9139 | -1.828 |
| .774 | -1.099 | 1.0990 | -2.198 |
| .720 | -1.145 | 1.1447 | -2.289 |
| .679 | -1.156 | 1.1559 | -2.312 |
| .578 | -1.100 | 1.0999 | -2.200 |
| .423 | -.8088 | 0.8088 | -1.617 |
| .298 | -.3861 | 0.3861 | -.7721 |
| .228 | -.0765 | 0.0765 | -.1531 |
| .151 | 0.4080 | -.4080 | 0.8160 |
| .060 | 1.4792 | -1.479 | 2.9584 |
| .012 | 4.0700 | -4.070 | 8.1400 |

03-MAR-80 14:00:01

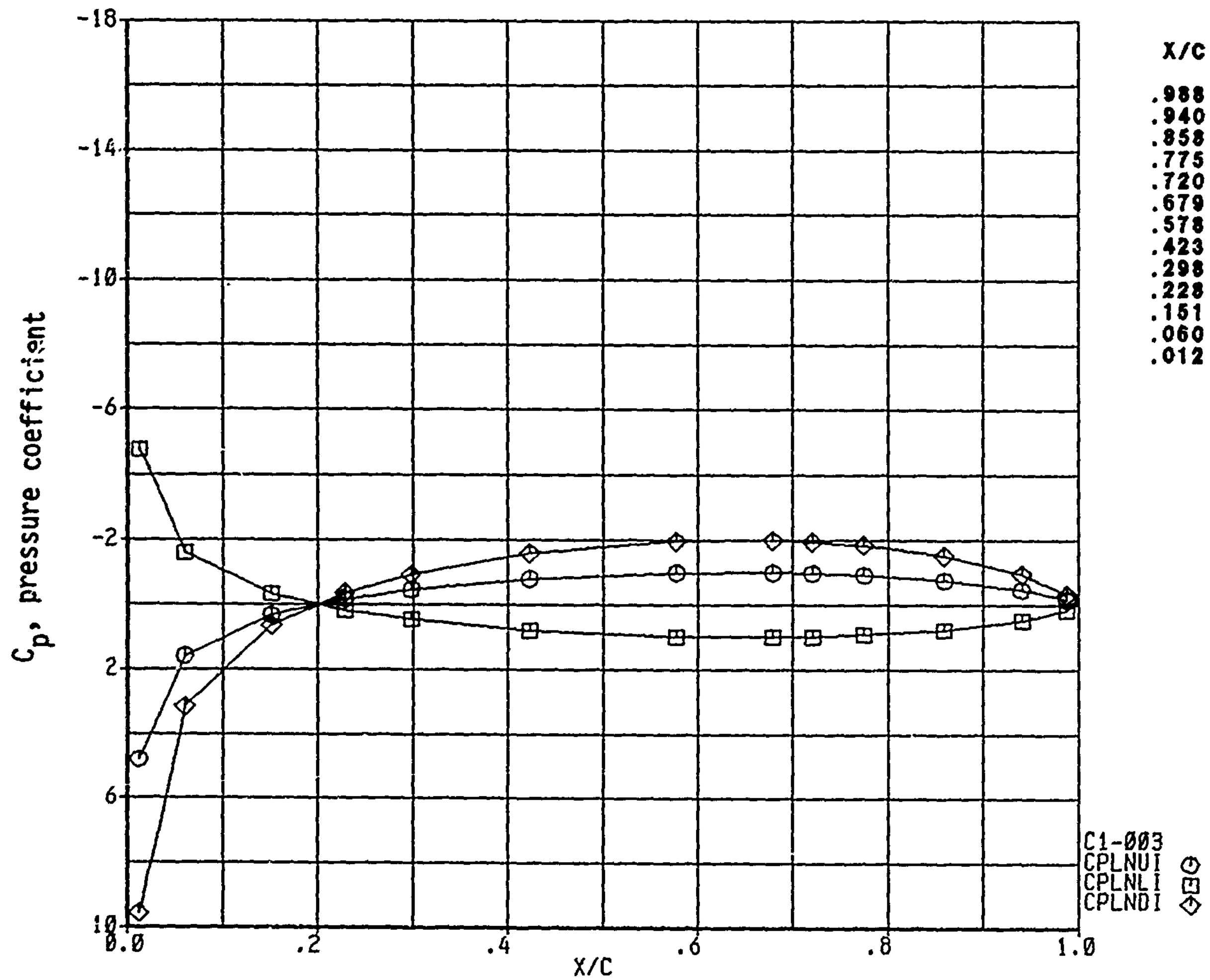
Figure 235, Chordwise Pressure Distribution, Imaginary, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1849 | 0.1849 | -.3698 |
| .940 | -.5332 | 0.5332 | -1.066 |
| .858 | -.8472 | 0.8472 | -1.694 |
| .775 | -1.023 | 1.0225 | -2.045 |
| .720 | -1.072 | 1.0717 | -2.143 |
| .679 | -1.089 | 1.0892 | -2.178 |
| .578 | -1.059 | 1.0592 | -2.118 |
| .423 | -.8284 | 0.8284 | -1.657 |
| .298 | -.4558 | 0.4558 | -.9116 |
| .228 | -.1605 | 0.1605 | -.3212 |
| .151 | 0.3460 | -.3460 | 0.6920 |
| .060 | 1.5786 | -1.579 | 3.1573 |
| .012 | 4.6811 | -4.681 | 9.3620 |

Figure 236, Chordwise Pressure Distribution, Imaginary, Configuration 1

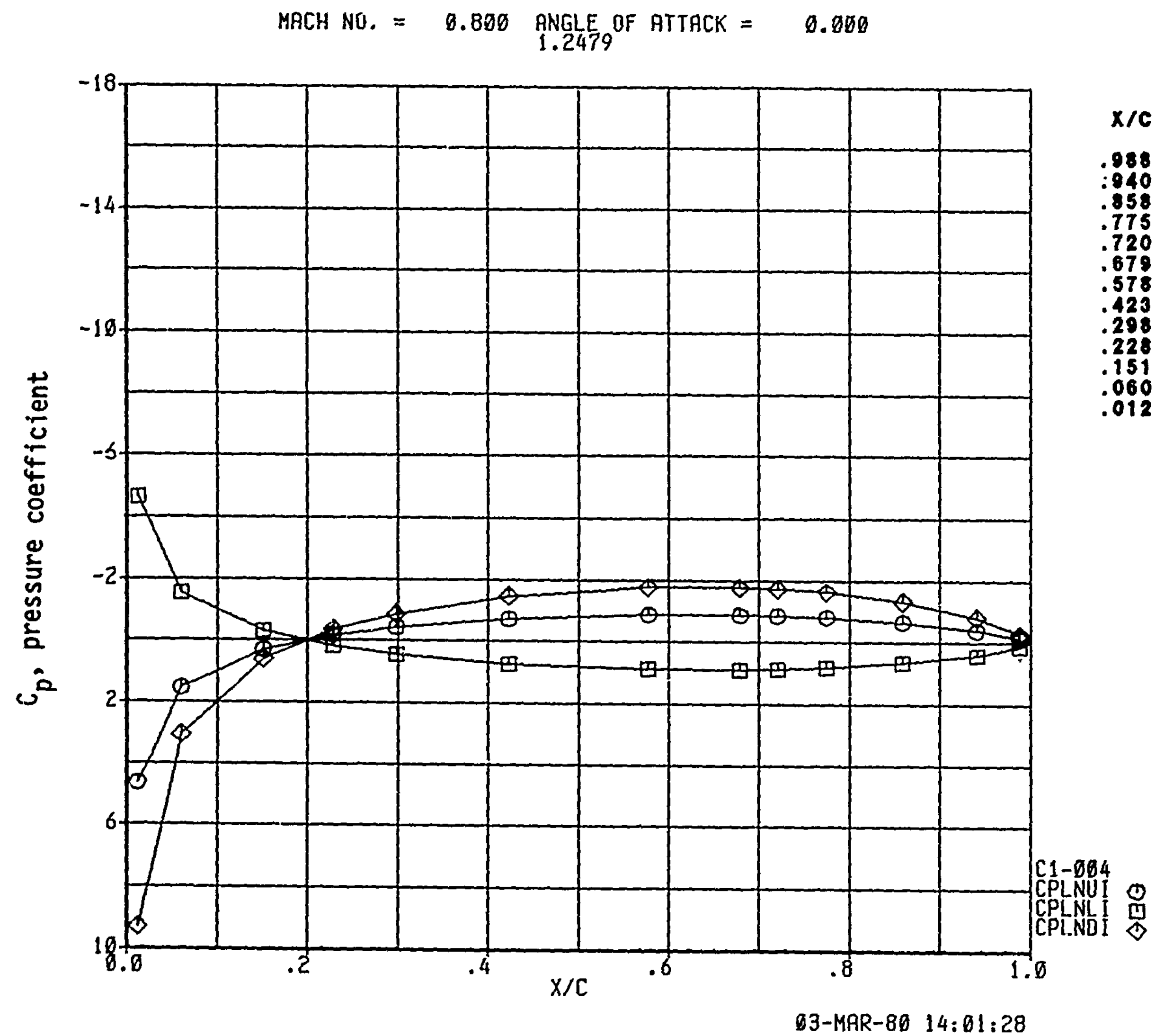
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1563 | 0.1563 | -.3125 |
| .940 | -.4702 | 0.4702 | -.9406 |
| .858 | -.7566 | 0.7566 | -1.513 |
| .775 | -.9192 | 0.9192 | -1.838 |
| .720 | -.9694 | 0.9694 | -1.939 |
| .679 | -.9906 | 0.9906 | -1.981 |
| .578 | -.9779 | 0.9779 | -1.956 |
| .423 | -.7914 | 0.7914 | -1.583 |
| .298 | -.4588 | 0.4588 | -.9178 |
| .228 | -.1822 | 0.1822 | -.3645 |
| .151 | 0.3196 | -.3196 | 0.6391 |
| .060 | 1.5844 | -1.584 | 3.1690 |
| .012 | 4.7871 | -4.787 | 9.5743 |

03-MAR-80 14:01:08

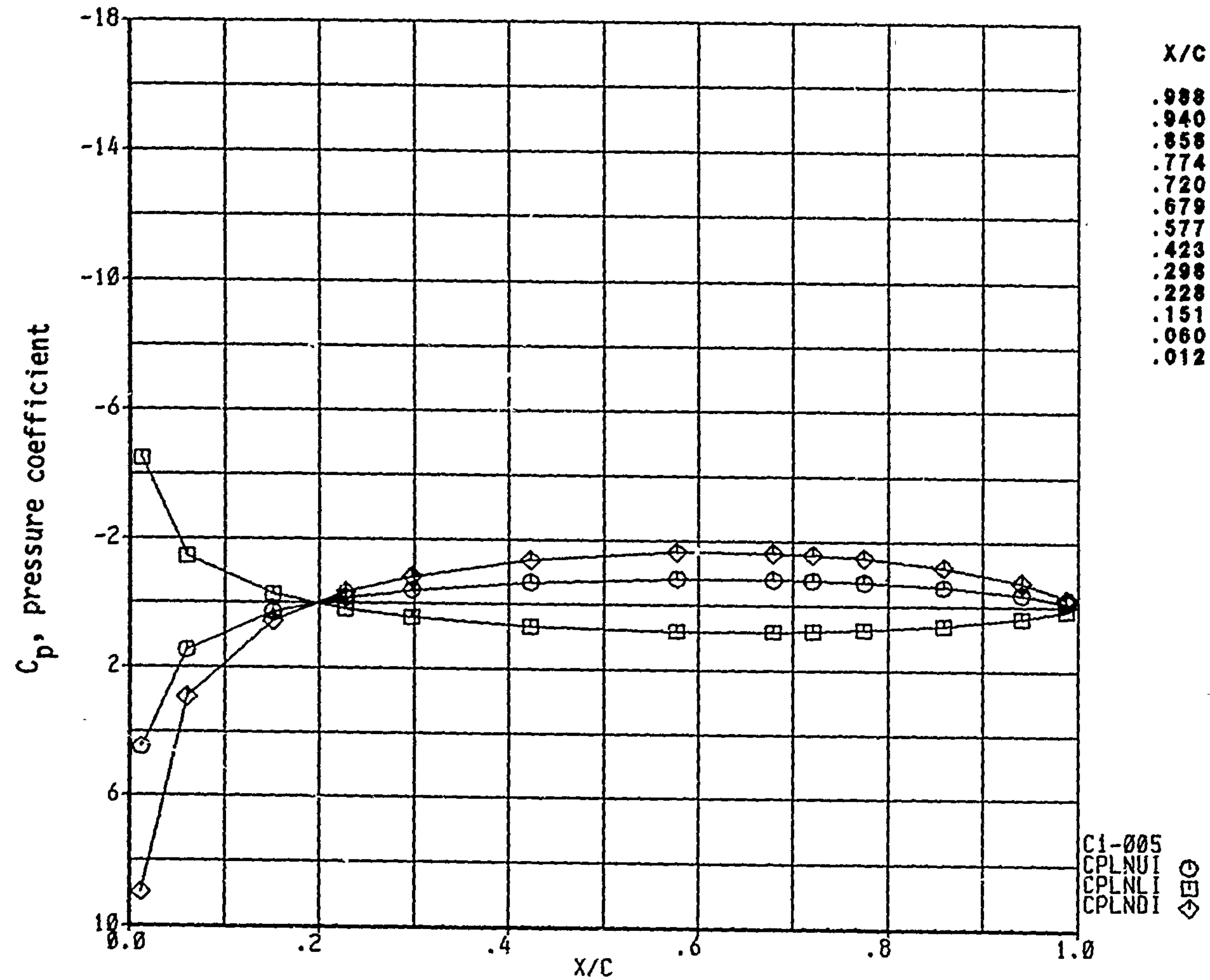
Figure 237, Chordwise Pressure Distribution, Imaginary, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1334 | 0.1334 | -.2669 |
| .940 | -.4101 | 0.4101 | -.8202 |
| .858 | -.6647 | 0.6647 | -1.329 |
| .775 | -.8143 | 0.8143 | -1.629 |
| .720 | -.8628 | 0.8628 | -1.726 |
| .679 | -.8851 | 0.8851 | -1.770 |
| .578 | -.8839 | 0.8839 | -1.768 |
| .423 | -.7333 | 0.7333 | -1.467 |
| .298 | -.4378 | 0.4378 | -.8756 |
| .228 | -.1802 | 0.1802 | -.3603 |
| .151 | 0.2983 | -.2983 | 0.5967 |
| .060 | 1.5279 | -1.528 | 3.0558 |
| .012 | 4.6525 | -4.653 | 9.3050 |

Figure 238, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.4037

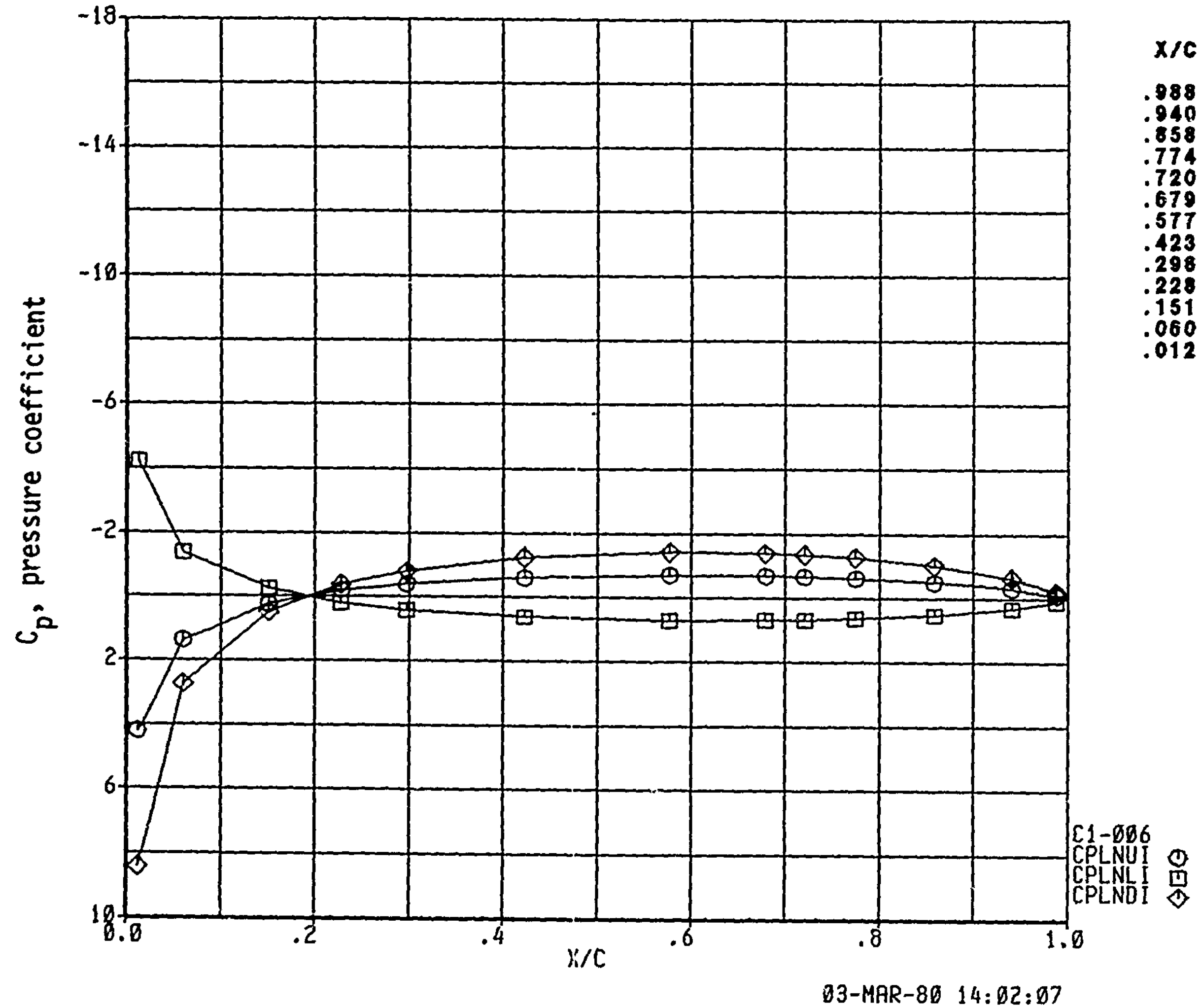



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1201 | 0.1201 | -.2402 |
| .940 | -.3693 | 0.3693 | -.7387 |
| .858 | -.5993 | 0.5993 | -1.199 |
| .774 | -.7395 | 0.7395 | -1.479 |
| .720 | -.7855 | 0.7855 | -1.571 |
| .679 | -.8077 | 0.8077 | -1.615 |
| .577 | -.8132 | 0.8132 | -1.627 |
| .423 | -.6873 | 0.6873 | -1.375 |
| .298 | -.4217 | 0.4217 | -.8433 |
| .228 | -.1805 | 0.1805 | -.3610 |
| .151 | 0.2794 | -.2794 | 0.5588 |
| .060 | 1.4720 | -1.472 | 2.9439 |
| .012 | 4.4947 | -4.495 | 8.9894 |

03-MAR-80 14:01:47

Figure 239, Chordwise Pressure Distribution, Imaginary, Configuration 1

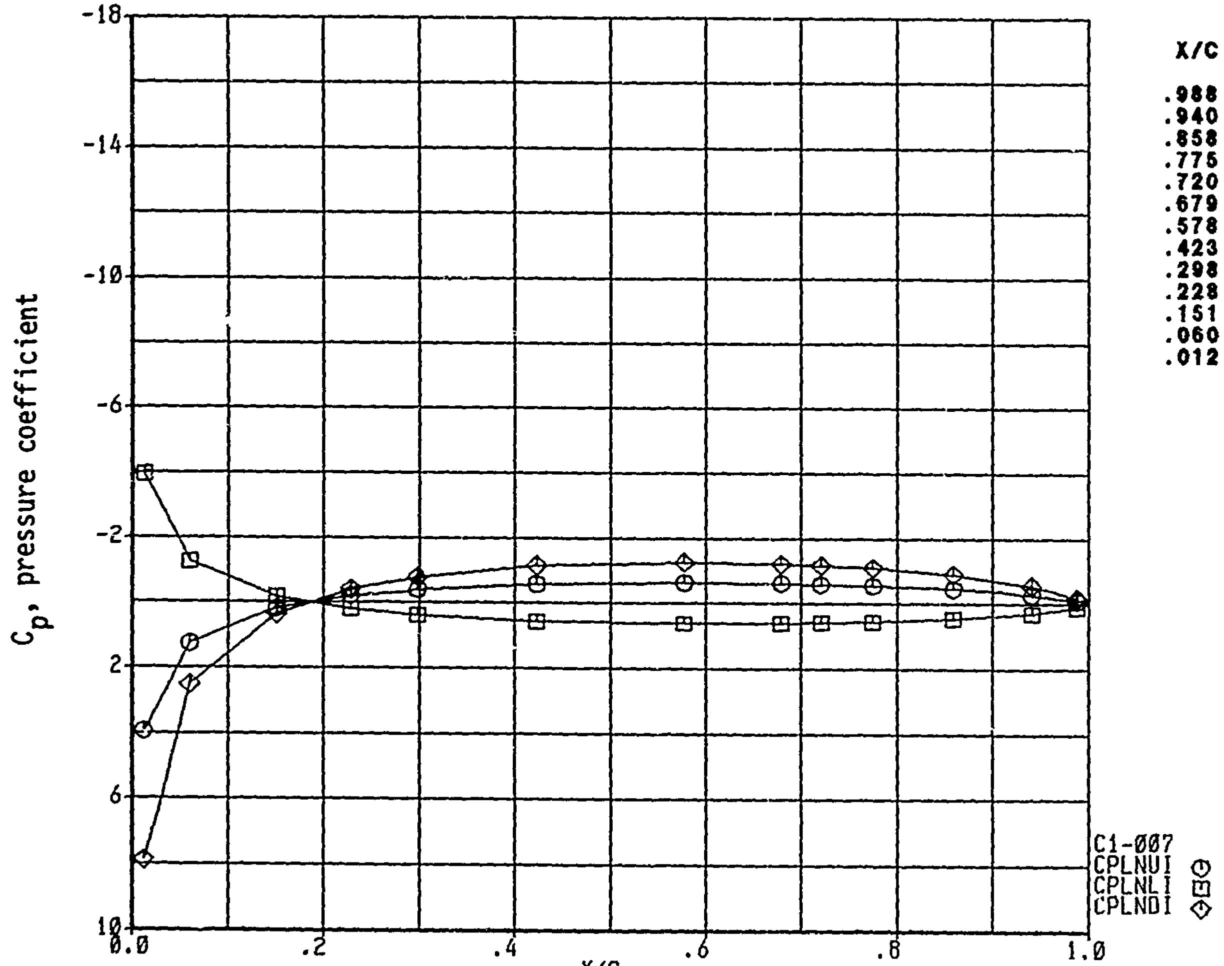
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1021 | 0.1021 | -.2043 |
| .940 | -.3162 | 0.3162 | -.6324 |
| .858 | -.5121 | 0.5121 | -1.024 |
| .774 | -.6328 | 0.6328 | -1.266 |
| .720 | -.6742 | 0.6742 | -1.349 |
| .679 | -.6960 | 0.6960 | -1.392 |
| .577 | -.7108 | 0.7108 | -1.421 |
| .423 | -.6220 | 0.6220 | -1.244 |
| .298 | -.4025 | 0.4025 | -.8051 |
| .228 | -.1913 | 0.1913 | -.3825 |
| .151 | 0.2367 | -.2367 | 0.4735 |
| .060 | 1.3695 | -1.370 | 2.7390 |
| .012 | 4.2139 | -4.214 | 8.4278 |

Figure 240, Chordwise Pressure Distribution, Imaginary, Configuration 1

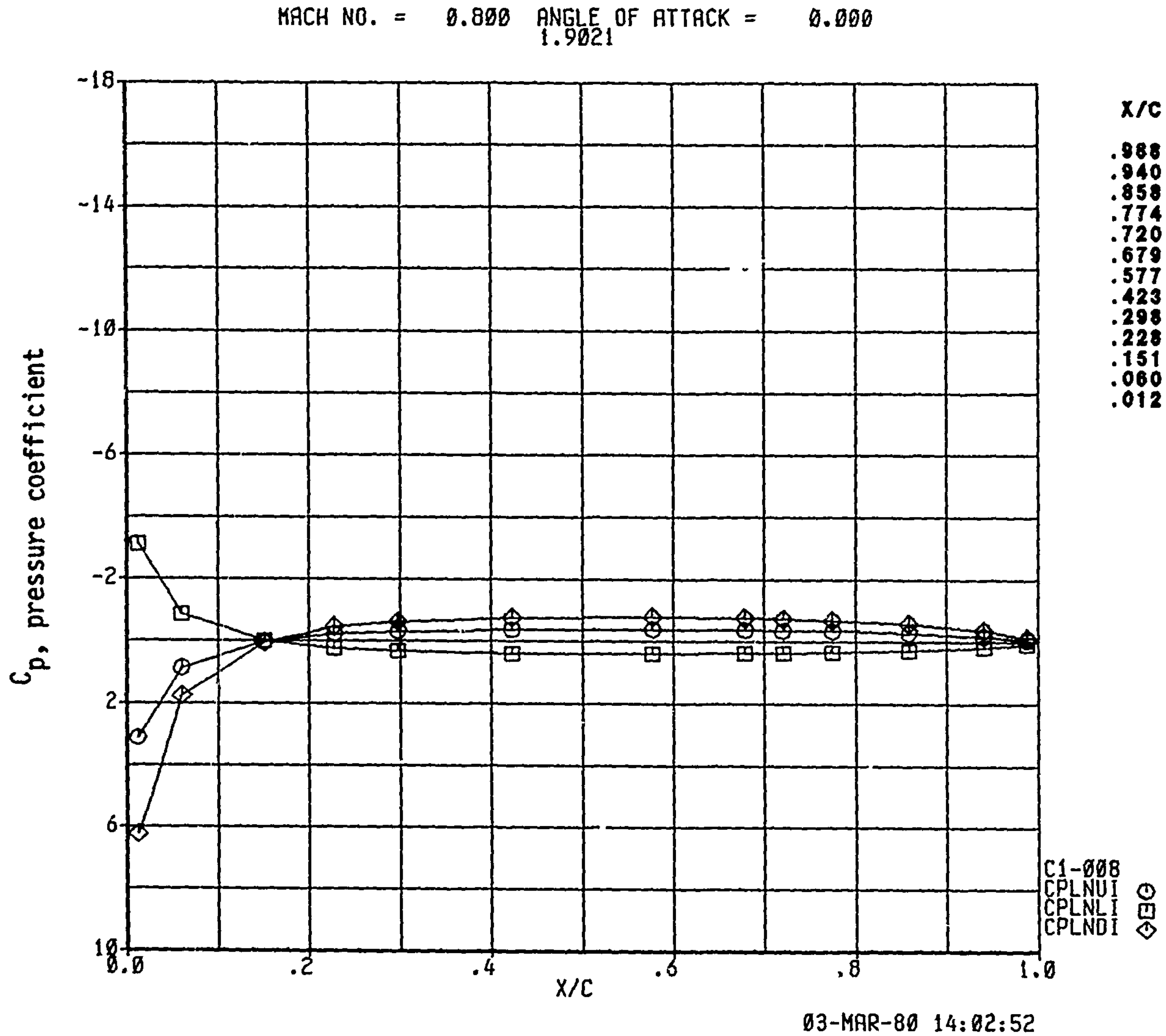
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0851 | 0.0851 | -.1701 |
| .940 | -.2760 | 0.2760 | -.5521 |
| .858 | -.4502 | 0.4502 | -.9004 |
| .775 | -.5480 | 0.5480 | -1.096 |
| .720 | -.5843 | 0.5843 | -1.169 |
| .679 | -.6052 | 0.6052 | -1.210 |
| .578 | -.6252 | 0.6252 | -1.250 |
| .423 | -.5670 | 0.5670 | -1.134 |
| .298 | -.3881 | 0.3881 | -.7760 |
| .228 | -.2006 | 0.2006 | -.4013 |
| .151 | 0.1861 | -.1861 | 0.3720 |
| .060 | 1.2568 | -1.257 | 2.5136 |
| .012 | 3.9417 | -3.942 | 7.8835 |

03-MAR-80 14:02:26

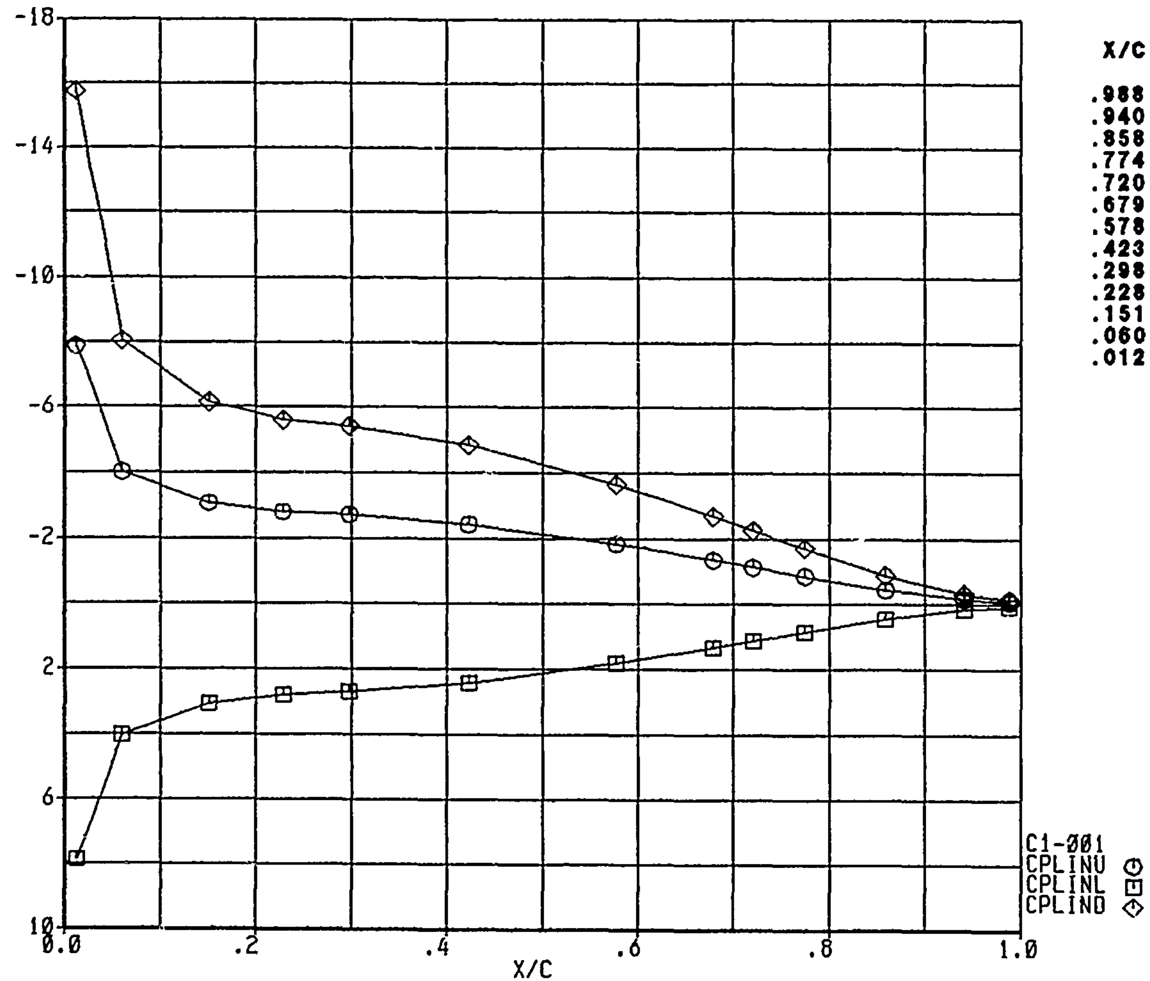
Figure 241, Chordwise Pressure Distribution, Imaginary, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0626 | 0.0626 | -.1252 |
| .940 | -.1846 | 0.1846 | -.3691 |
| .858 | -.2912 | 0.2912 | -.5823 |
| .774 | -.3452 | 0.3452 | -.6903 |
| .720 | -.3639 | 0.3639 | -.7278 |
| .679 | -.3769 | 0.3769 | -.7539 |
| .577 | -.3953 | 0.3953 | -.7907 |
| .423 | -.3859 | 0.3859 | -.7718 |
| .298 | -.3168 | 0.3168 | -.6335 |
| .228 | -.2316 | 0.2316 | -.4632 |
| .151 | 0.0193 | -.0193 | 0.0386 |
| .060 | 0.8726 | -.8726 | 1.7453 |
| .012 | 3.1164 | -3.116 | 6.2329 |

Figure 242, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
0.3524

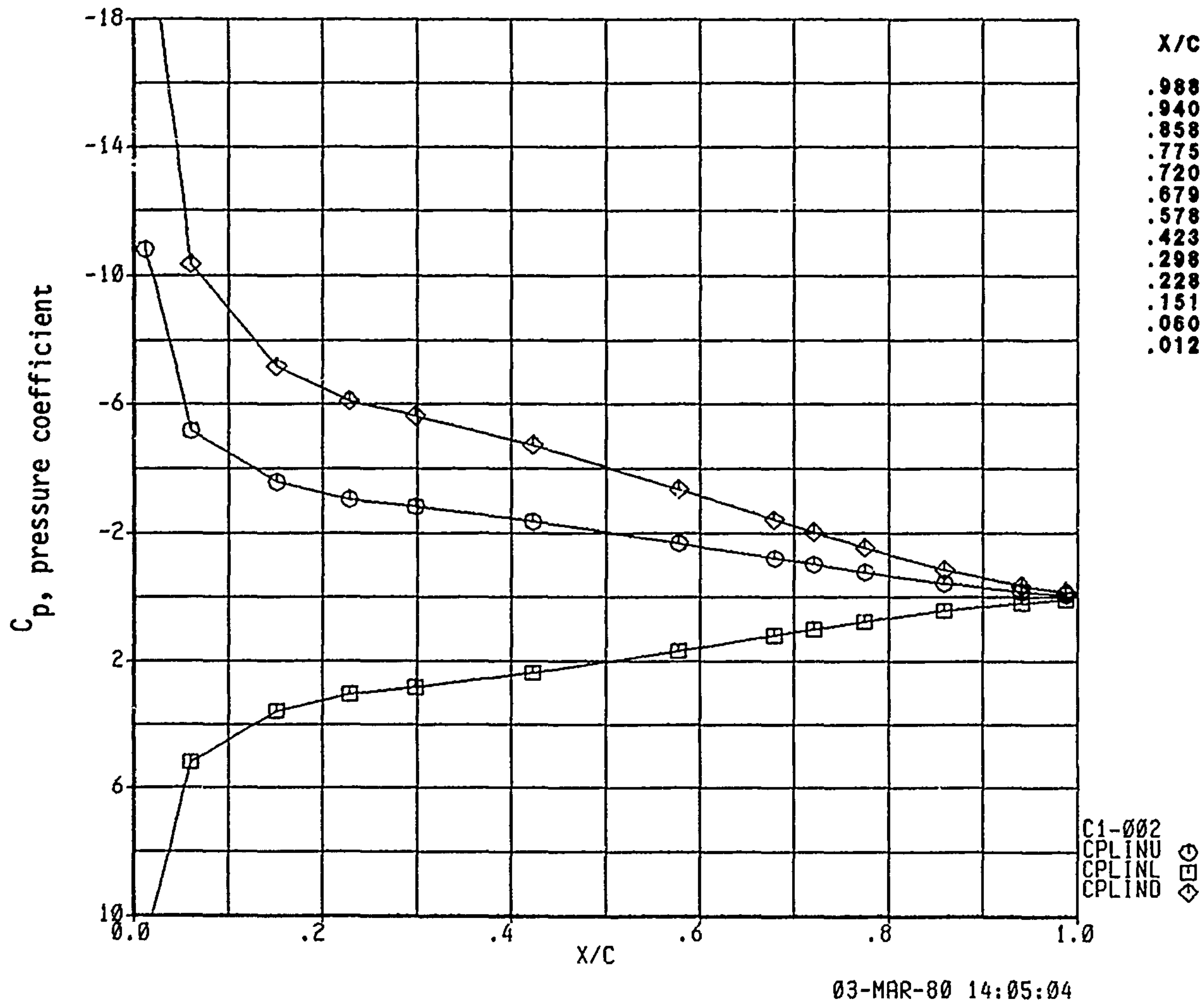



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0656 | 0.0656 | -.1312 |
| .940 | -.1561 | 0.1561 | -.3120 |
| .858 | -.4393 | 0.4393 | -.8787 |
| .774 | -.8498 | 0.8498 | -1.700 |
| .720 | -1.126 | 1.1263 | -2.253 |
| .679 | -1.339 | 1.3394 | -2.679 |
| .578 | -1.826 | 1.8262 | -3.652 |
| .423 | -2.422 | 2.4224 | -4.845 |
| .298 | -2.711 | 2.7108 | -5.422 |
| .228 | -2.799 | 2.7991 | -5.598 |
| .151 | -3.074 | 3.0744 | -6.149 |
| .060 | -4.019 | 4.0194 | -8.039 |
| .012 | -7.875 | 7.8751 | -15.75 |

03-MAR-80 14:04:48

Figure 243, Chordwise Pressure Distribution, Real, Configuration 1

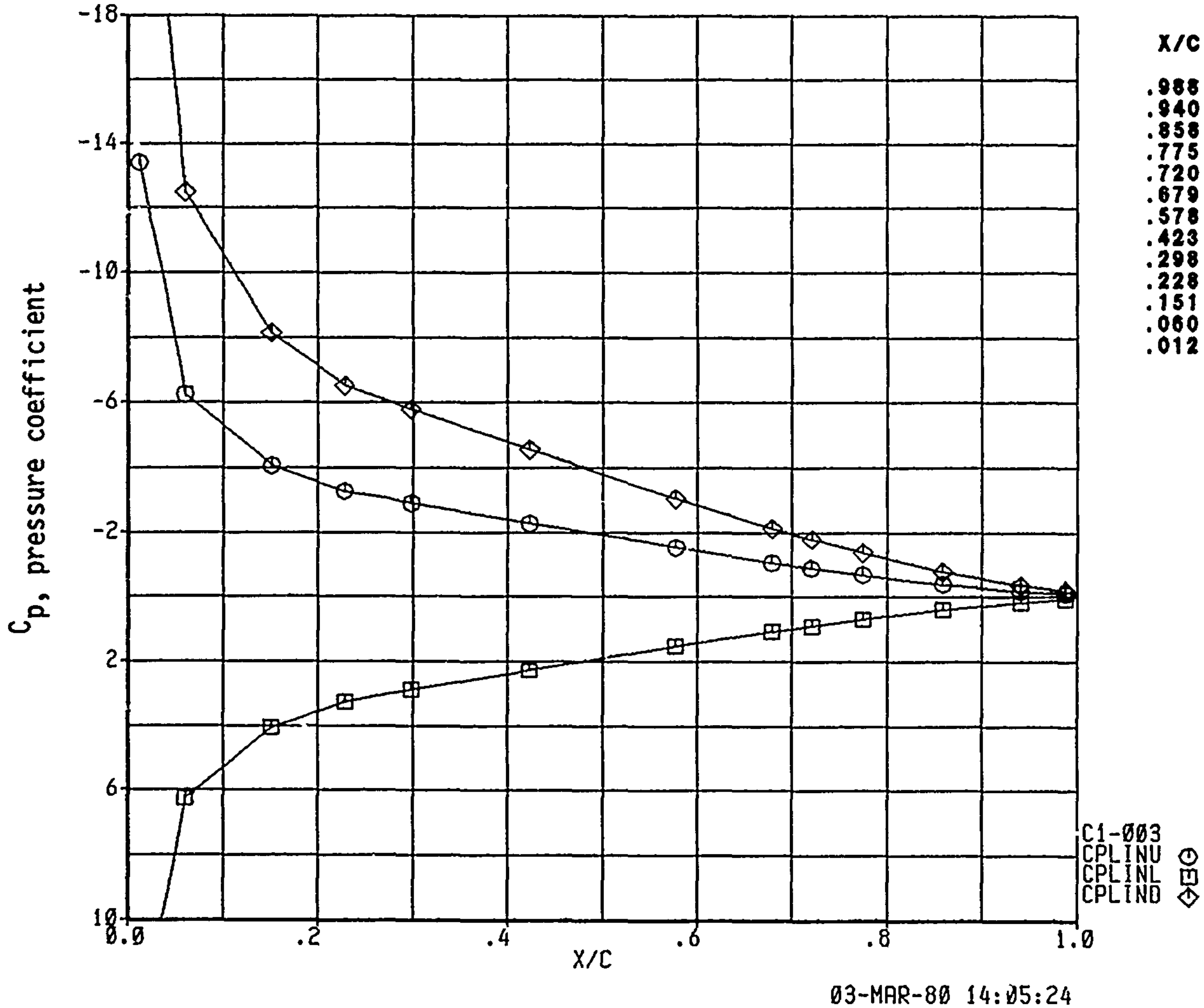
MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
0.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0760 | 0.0760 | -.1521 |
| .940 | -.1685 | 0.1685 | -.3370 |
| .858 | -.4212 | 0.4212 | -.8424 |
| .775 | -.7727 | 0.7727 | -1.545 |
| .720 | -1.013 | 1.0130 | -2.026 |
| .679 | -1.204 | 1.2042 | -2.408 |
| .578 | -1.683 | 1.6828 | -3.366 |
| .423 | -2.366 | 2.3662 | -4.733 |
| .298 | -2.821 | 2.8212 | -5.642 |
| .228 | -3.046 | 3.0465 | -6.093 |
| .151 | -3.591 | 3.5914 | -7.183 |
| .060 | -5.182 | 5.1824 | -10.36 |
| .012 | -10.82 | 10.818 | -21.64 |

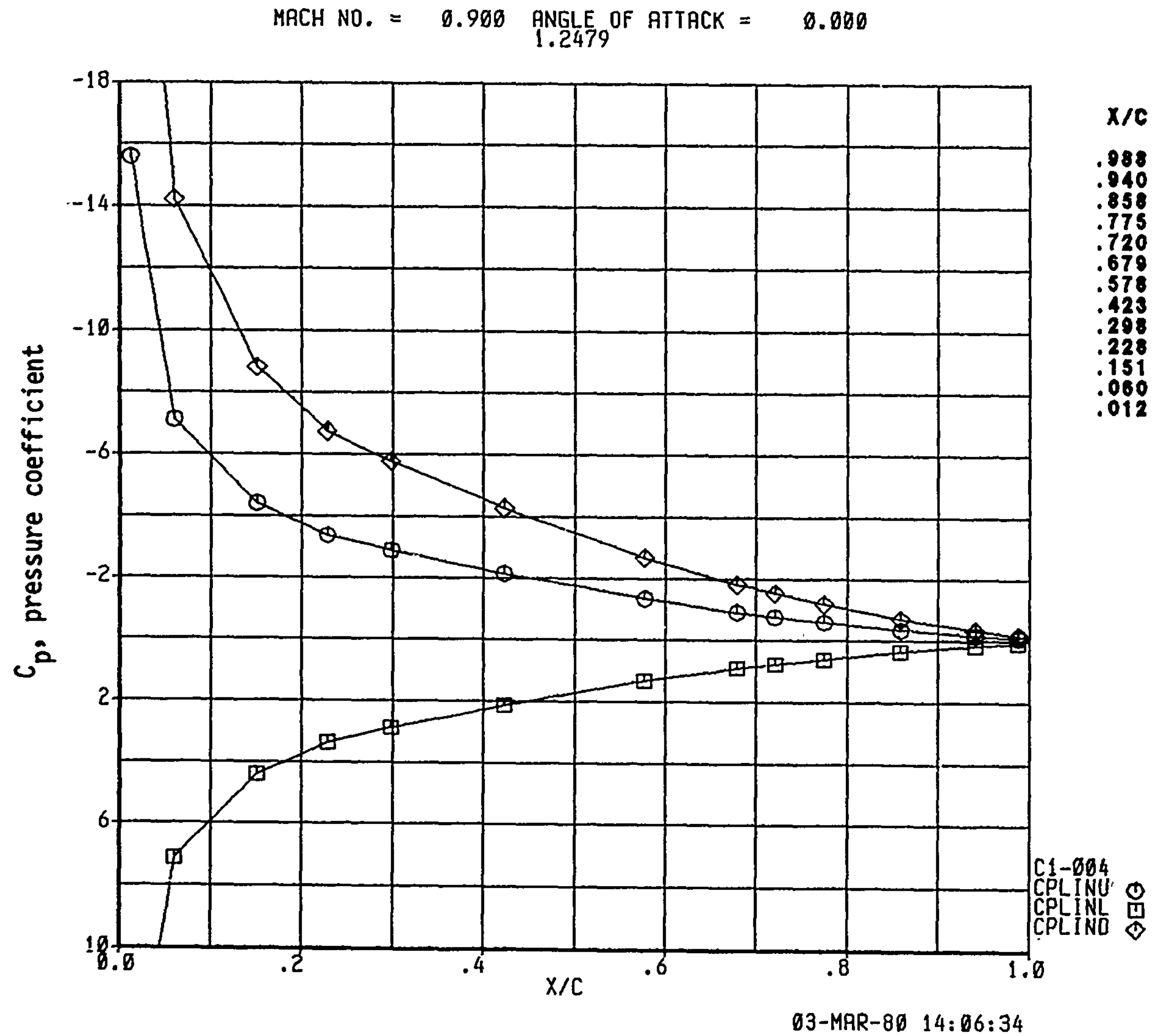
Figure 244, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
0.9968



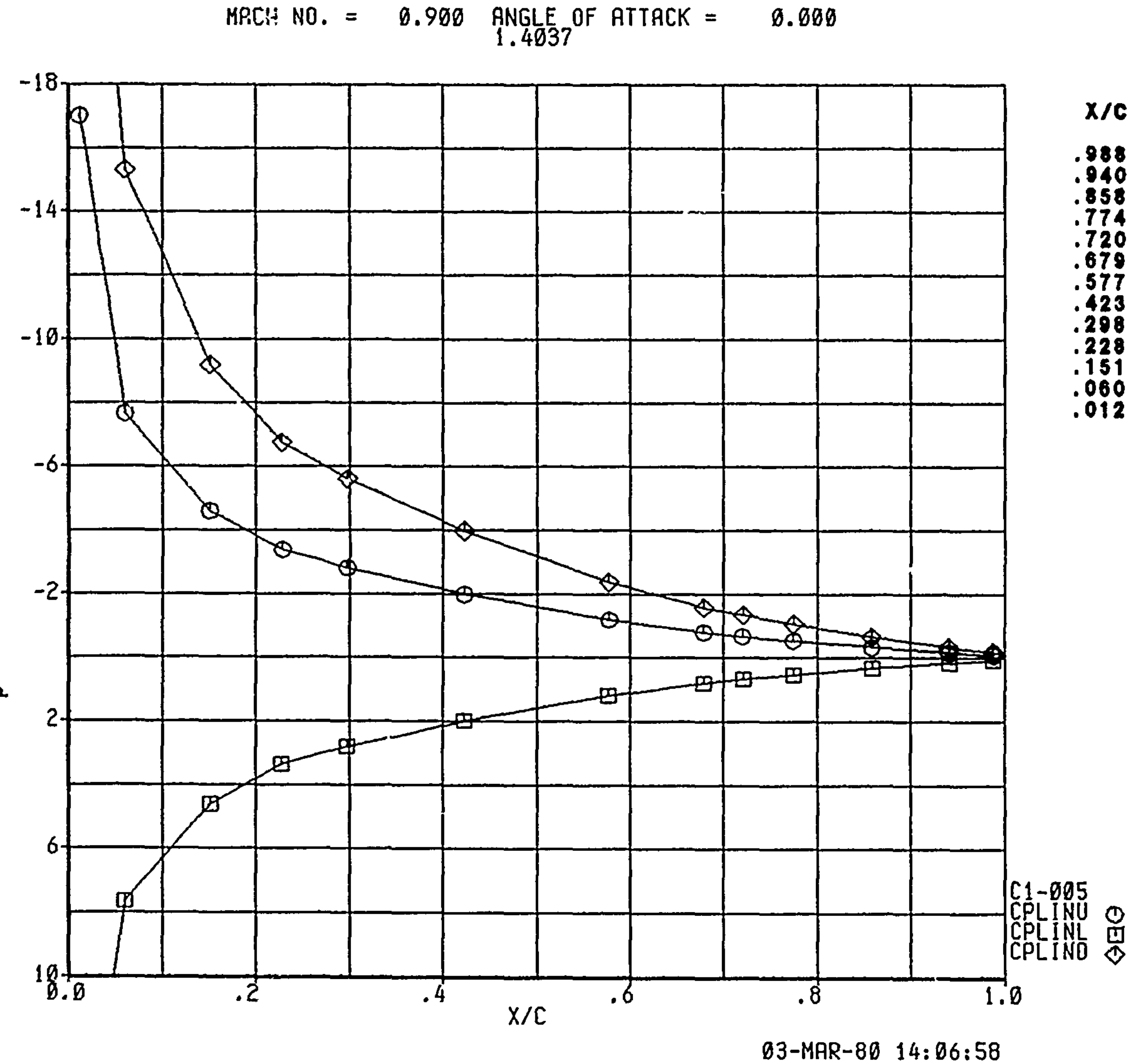

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .986 | -.0823 | 0.0823 | -.1646 |
| .940 | -.1719 | 0.1719 | -.3439 |
| .858 | -.3903 | 0.3903 | -.7806 |
| .775 | -.6854 | 0.6854 | -1.371 |
| .720 | -.8894 | 0.8894 | -1.779 |
| .679 | -1.058 | 1.0575 | -2.115 |
| .578 | -1.520 | 1.5197 | -3.039 |
| .423 | -2.280 | 2.2798 | -4.560 |
| .298 | -2.894 | 2.8942 | -5.788 |
| .228 | -3.255 | 3.2548 | -6.510 |
| .151 | -4.065 | 4.0653 | -8.131 |
| .060 | -6.248 | 6.2479 | -12.50 |
| .012 | -13.41 | 13.413 | -26.83 |

Figure 245, Chordwise Pressure Distribution, Real, Configuration 1



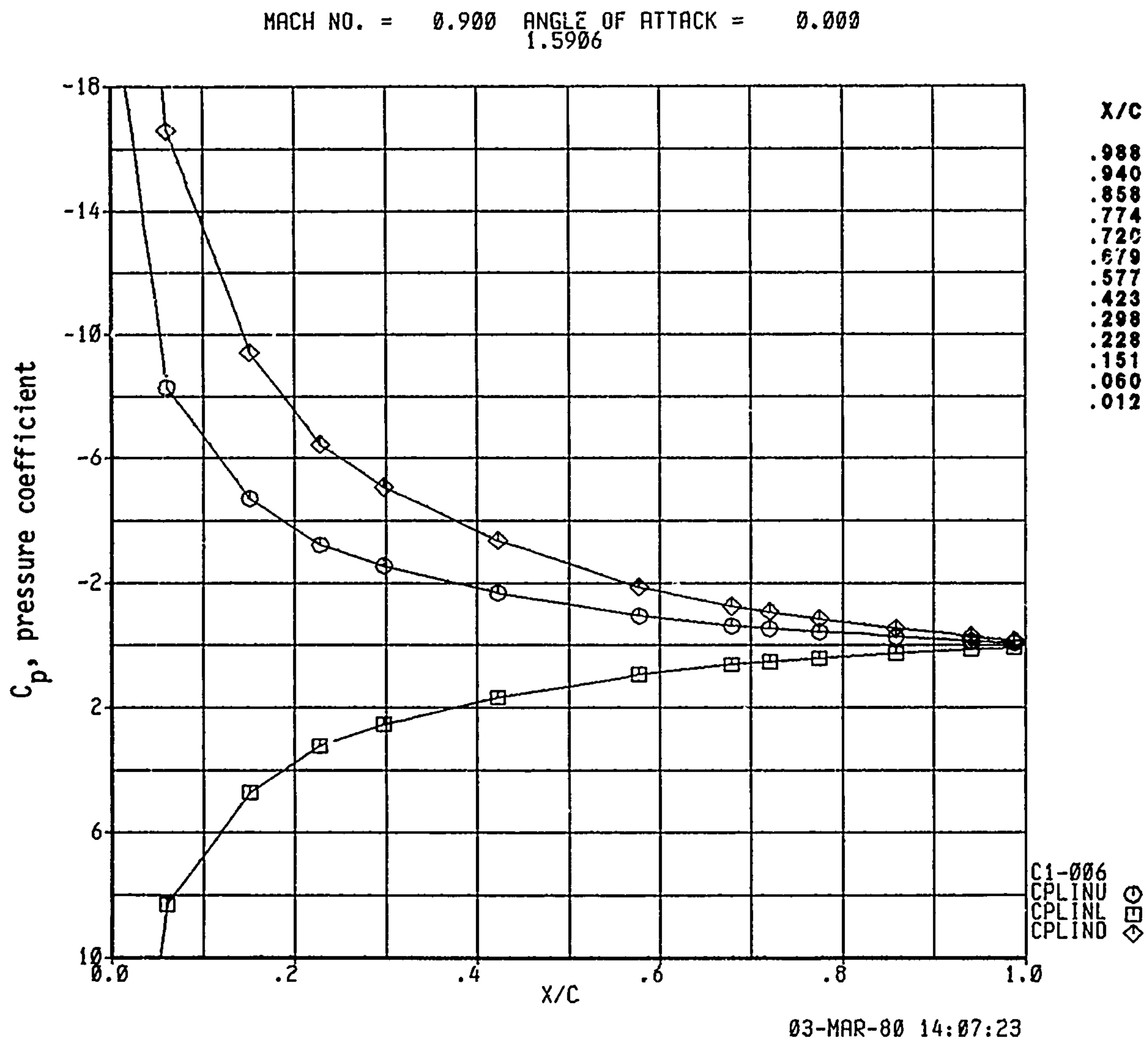

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0826 | 0.0826 | -.1652 |
| .940 | -.1658 | 0.1658 | -.3315 |
| .858 | -.3507 | 0.3507 | -.7014 |
| .775 | -.5938 | 0.5938 | -1.188 |
| .720 | -.7613 | 0.7613 | -1.523 |
| .679 | -.9040 | 0.9040 | -1.808 |
| .578 | -1.334 | 1.3342 | -2.668 |
| .423 | -2.136 | 2.1360 | -4.272 |
| .298 | -2.881 | 2.8811 | -5.762 |
| .228 | -3.369 | 3.3690 | -6.738 |
| .151 | -4.409 | 4.4089 | -8.818 |
| .060 | -7.110 | 7.1098 | -14.22 |
| .012 | -15.59 | 15.592 | -31.18 |

Figure 246, Chordwise Pressure Distribution, Real, Configuration 1



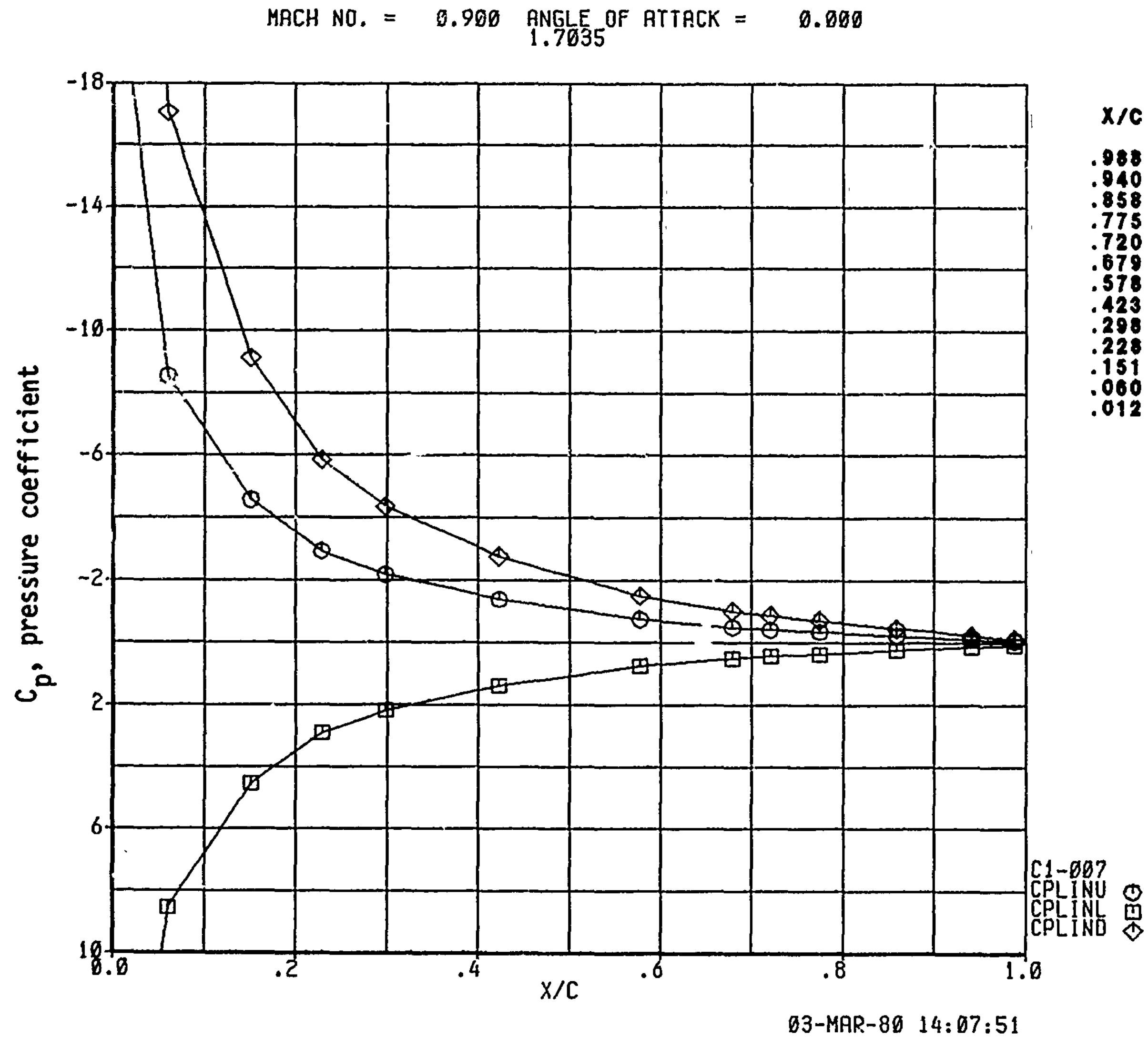

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0811 | 0.0811 | -.1622 |
| .940 | -.1575 | 0.1575 | -.3150 |
| .858 | -.3178 | 0.3178 | -.6358 |
| .774 | -.5253 | 0.5253 | -1.051 |
| .720 | -.6663 | 0.6663 | -1.332 |
| .679 | -.7869 | 0.7869 | -1.574 |
| .577 | -1.180 | 1.1797 | -2.359 |
| .423 | -1.987 | 1.9875 | -3.975 |
| .298 | -2.803 | 2.8025 | -5.605 |
| .228 | -3.378 | 3.3784 | -6.757 |
| .151 | -4.590 | 4.5899 | -9.180 |
| .060 | -7.655 | 7.6553 | -15.31 |
| .012 | -17.01 | 17.006 | -34.01 |

Figure 247, Chordwise Pressure Distribution, Real, Configuration 1




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.0719 | 0.0719 | -.1438 |
| .940 | -.1398 | 0.1398 | -.2797 |
| .858 | -.2667 | 0.2667 | -.5335 |
| .774 | -.4258 | 0.4258 | -.8518 |
| .720 | -.5322 | 0.5322 | -1.064 |
| .679 | -.6208 | 0.6208 | -1.242 |
| .577 | -.9317 | 0.9317 | -1.863 |
| .423 | -1.679 | 1.6795 | -3.359 |
| .298 | -2.538 | 2.5383 | -5.076 |
| .228 | -3.224 | 3.2239 | -6.448 |
| .151 | -4.709 | 4.7095 | -9.419 |
| .060 | -8.292 | 8.2919 | -16.58 |
| .012 | -18.75 | 18.751 | -37.50 |

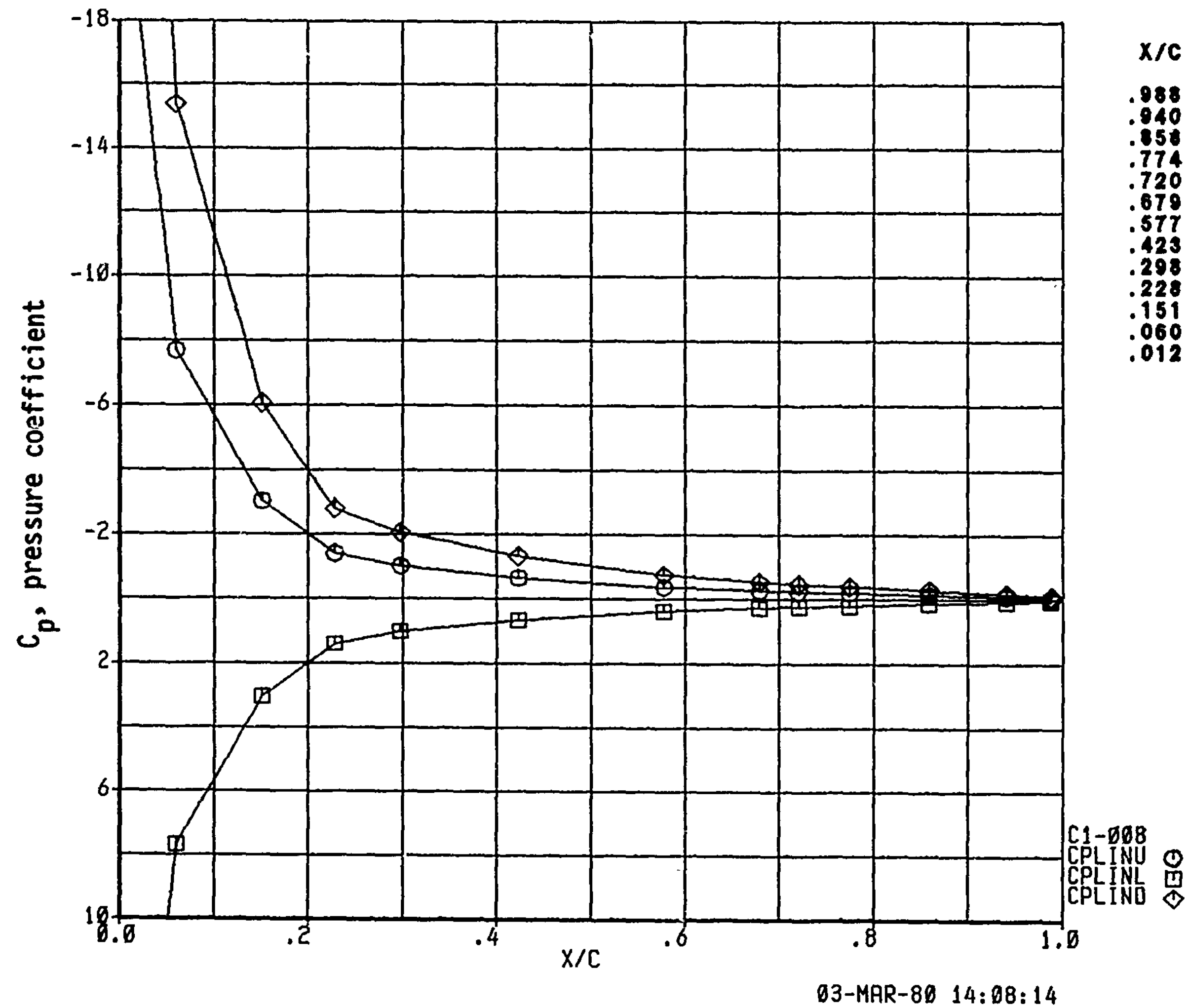
Figure 248, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0630 | 0.0630 | -.1260 |
| .940 | -.1232 | 0.1232 | -.2464 |
| .858 | -.2285 | 0.2285 | -.4568 |
| .775 | -.3552 | 0.3552 | -.7104 |
| .720 | -.4347 | 0.4347 | -.8694 |
| .679 | -.5042 | 0.5042 | -1.008 |
| .578 | -.7455 | 0.7455 | -1.491 |
| .423 | -1.372 | 1.3720 | -2.744 |
| .298 | -2.172 | 2.1724 | -4.345 |
| .228 | -2.917 | 2.9174 | -5.835 |
| .151 | -4.559 | 4.5588 | -9.118 |
| .060 | -8.534 | 8.5337 | -17.07 |
| .012 | -19.71 | 19.710 | -39.42 |

Figure 249, Chordwise Pressure Distribution, Real, Configuration 1

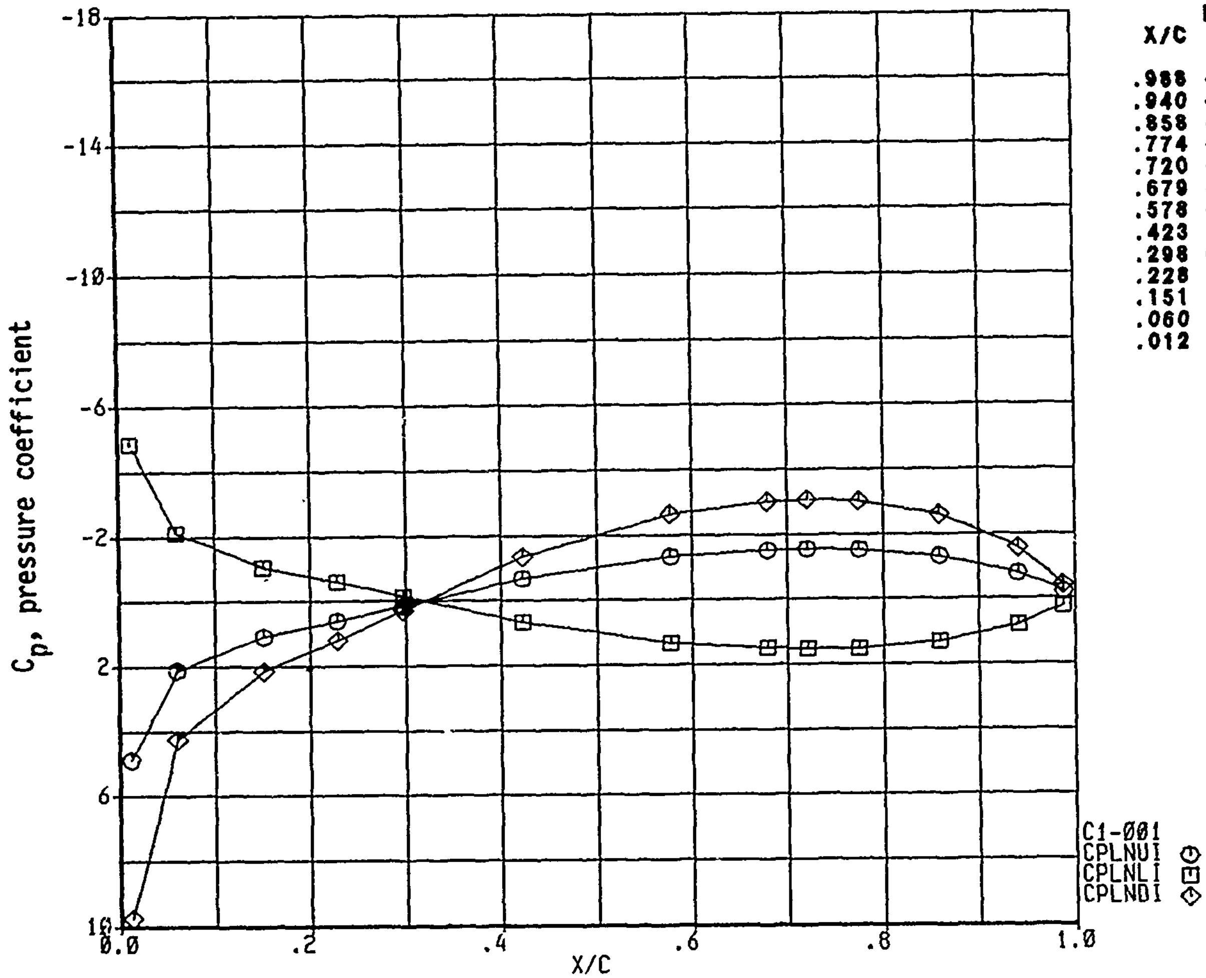
MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
1.9021




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.0451 | 0.0451 | -.0902 |
| .940 | -.0824 | 0.0824 | -.1648 |
| .858 | -.1372 | 0.1372 | -.2744 |
| .774 | -.1993 | 0.1993 | -.3986 |
| .720 | -.2334 | 0.2334 | -.4668 |
| .679 | -.2697 | 0.2697 | -.5395 |
| .577 | -.3735 | 0.3735 | -.7471 |
| .423 | -.6556 | 0.6556 | -1.311 |
| .298 | -1.019 | 1.0193 | -2.039 |
| .228 | -1.396 | 1.3965 | -2.793 |
| .151 | -3.032 | 3.0322 | -6.064 |
| .060 | -7.693 | 7.6926 | -15.39 |
| .012 | -20.17 | 20.169 | -40.34 |

Figure 250, Chordwise Pressure Distribution, Real, Configuration 1

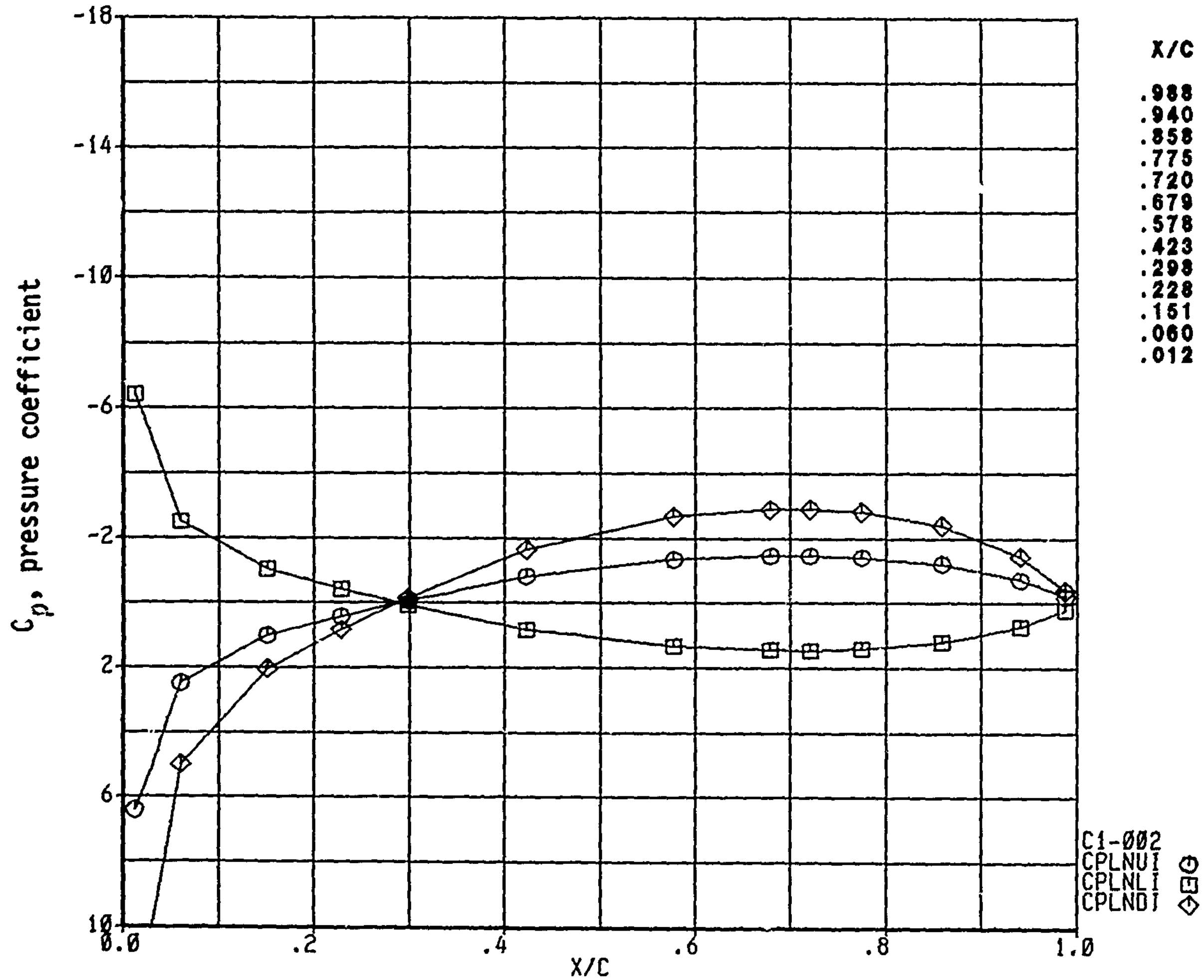
MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2166 | 0.2166 | -.4332 |
| .940 | -.7808 | 0.7808 | -1.562 |
| .858 | -1.296 | 1.2962 | -2.592 |
| .774 | -1.511 | 1.5110 | -3.022 |
| .720 | -1.532 | 1.5321 | -3.064 |
| .679 | -1.504 | 1.5037 | -3.007 |
| .578 | -1.324 | 1.3242 | -2.648 |
| .423 | -.6711 | 0.6711 | -1.342 |
| .298 | 0.1449 | -.1449 | 0.2898 |
| .228 | 0.6034 | -.6034 | 1.2067 |
| .151 | 1.0700 | -1.070 | 2.1400 |
| .060 | 2.1297 | -2.130 | 4.2594 |
| .012 | 4.8751 | -4.875 | 9.7503 |

Figure 251, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
0.6853

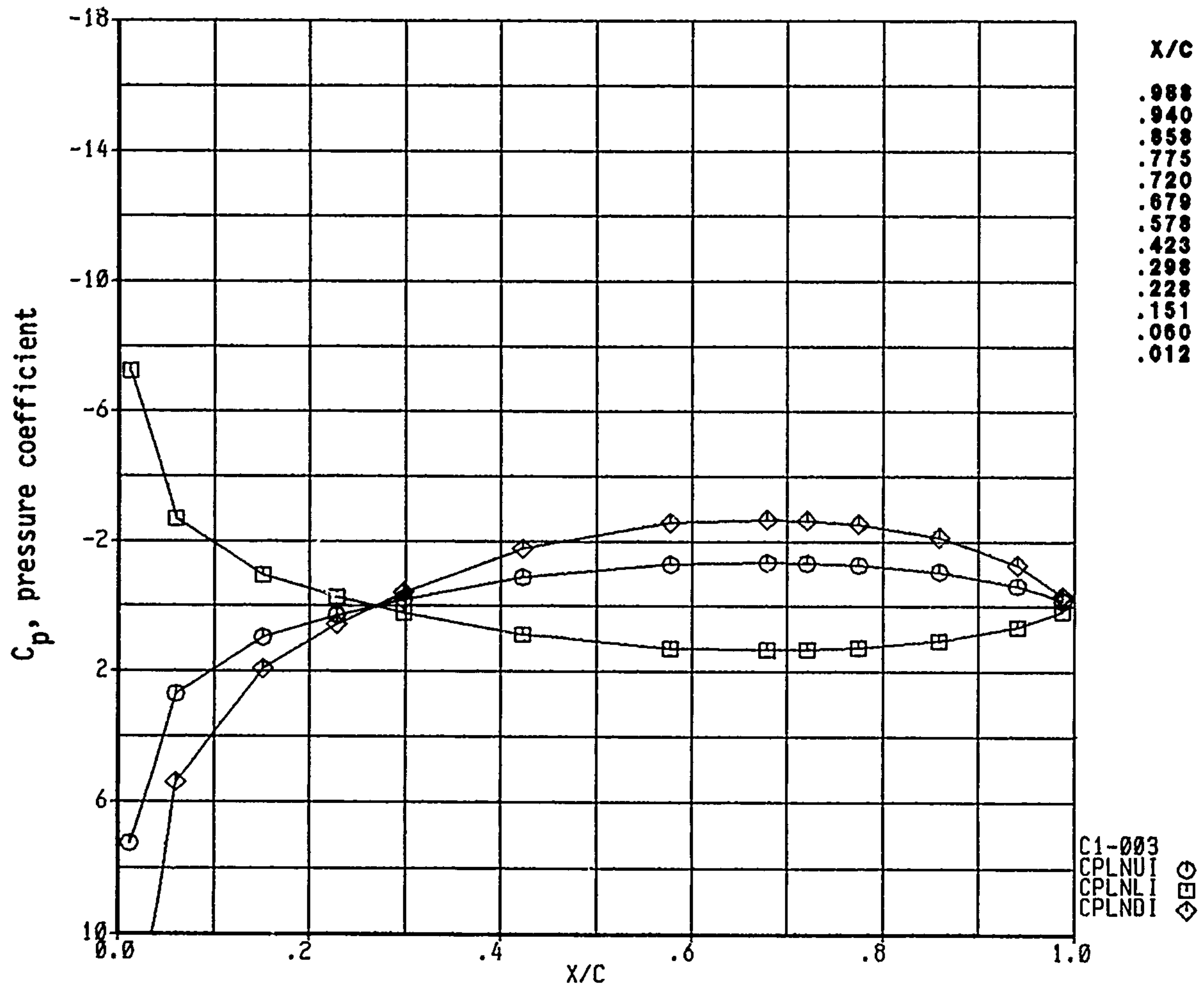



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1936 | 0.1936 | -.3871 |
| .940 | -.7211 | 0.7211 | -1.442 |
| .858 | -1.197 | 1.1973 | -2.395 |
| .775 | -1.410 | 1.4100 | -2.820 |
| .720 | -1.451 | 1.4513 | -2.903 |
| .679 | -1.449 | 1.4490 | -2.898 |
| .578 | -1.341 | 1.3411 | -2.682 |
| .423 | -.8193 | 0.8193 | -1.639 |
| .298 | -.0698 | 0.0698 | -.1396 |
| .228 | 0.4150 | -.4150 | 0.8300 |
| .151 | 1.0199 | -1.020 | 2.0397 |
| .060 | 2.4984 | -2.498 | 4.9968 |
| .012 | 6.4078 | -6.408 | 12.816 |

03-MAR-80 14:10:22

Figure 252, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
0.9968

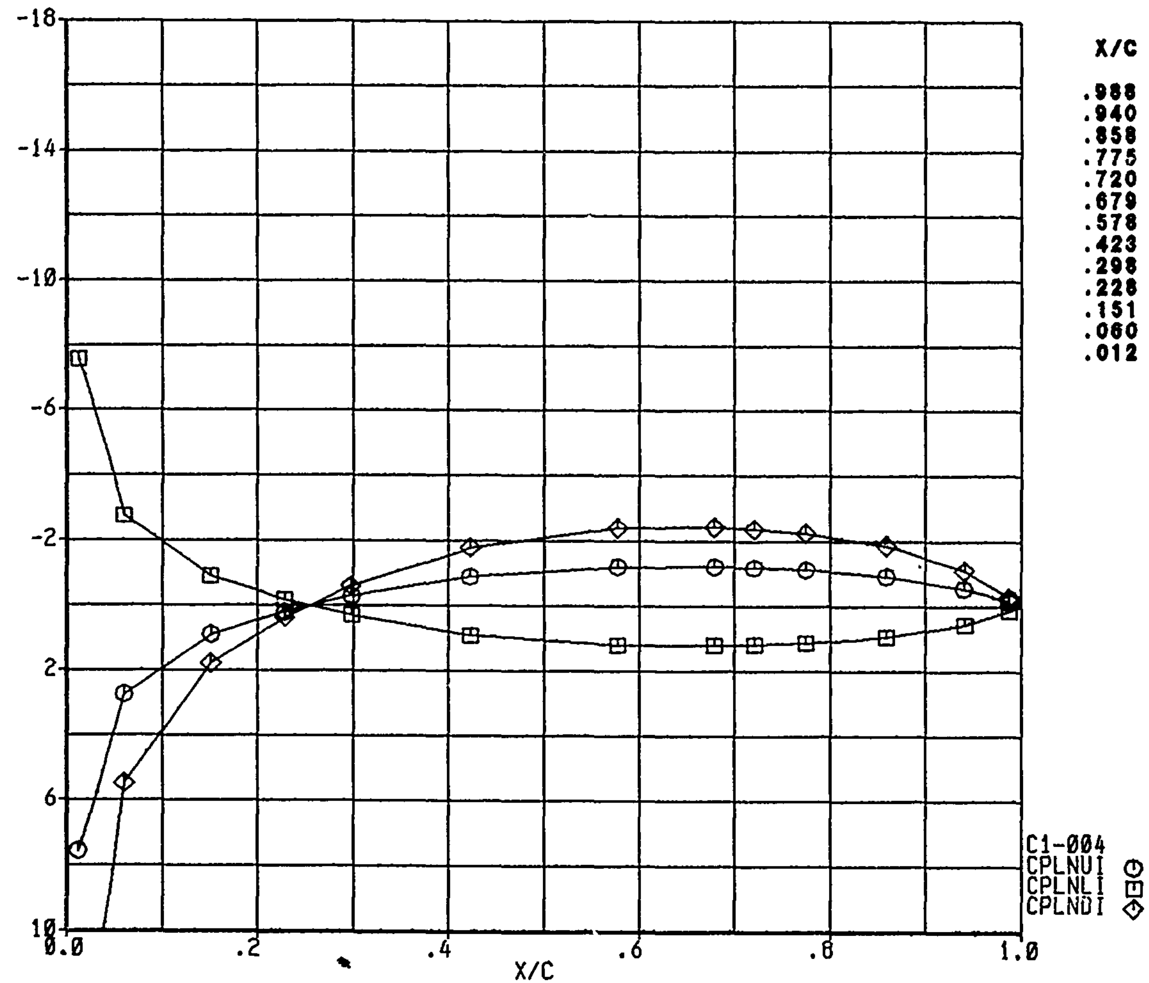



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1578 | 0.1578 | -.3157 |
| .940 | -.6334 | 0.6334 | -1.267 |
| .858 | -1.064 | 1.0639 | -2.128 |
| .775 | -1.270 | 1.2698 | -2.539 |
| .720 | -1.322 | 1.3224 | -2.645 |
| .679 | -1.337 | 1.3368 | -2.674 |
| .578 | -1.288 | 1.2878 | -2.576 |
| .423 | -.8844 | 0.8844 | -1.769 |
| .298 | -.2076 | 0.2076 | -.4151 |
| .228 | 0.2783 | -.2783 | 0.5565 |
| .151 | 0.9641 | -.9641 | 1.9282 |
| .060 | 2.6960 | -2.696 | 5.3921 |
| .012 | 7.2527 | -7.253 | 14.505 |

03-MAR-80 14:10:42

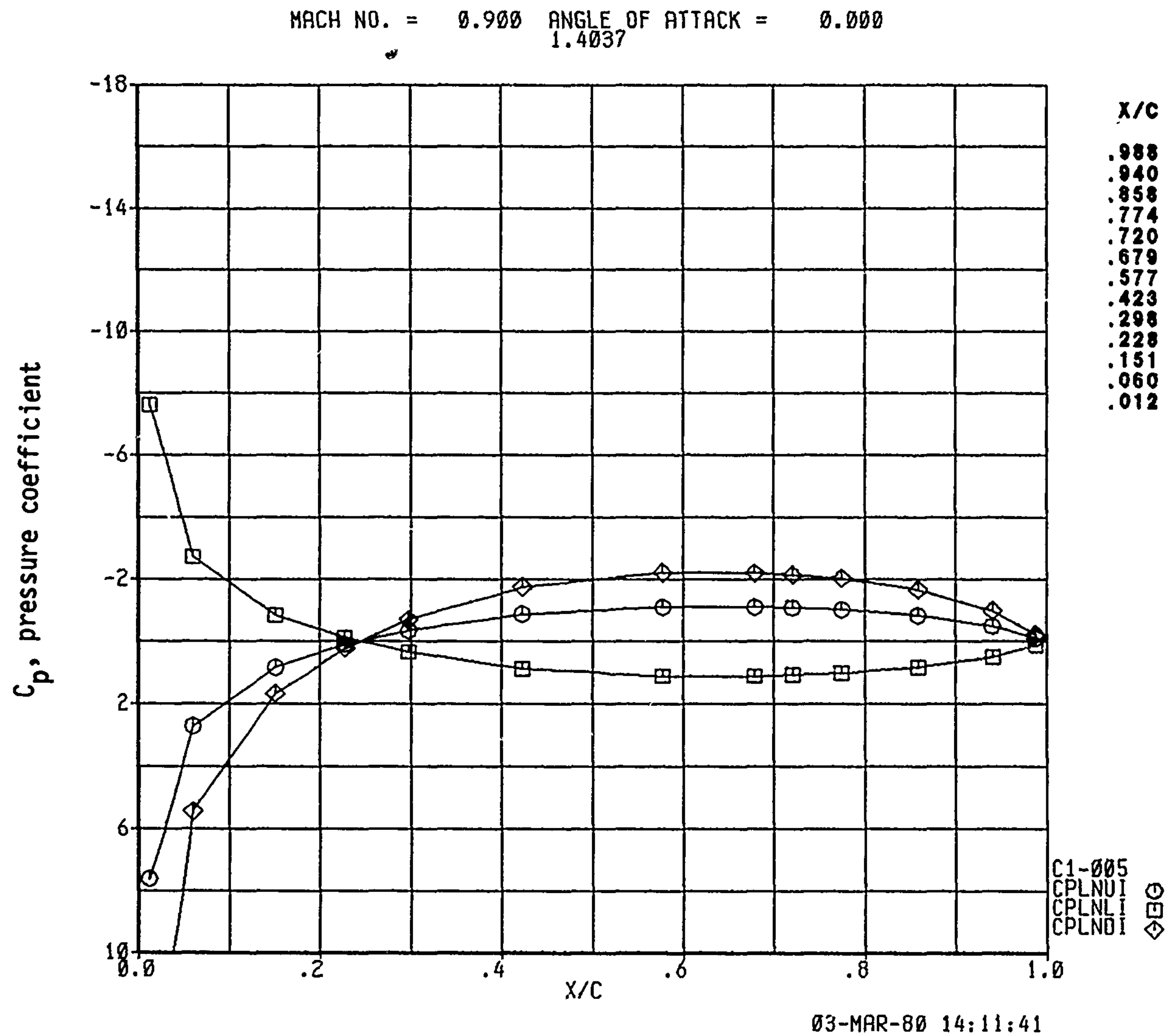
Figure 253, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1317 | 0.1317 | -.2632 |
| .940 | -.5482 | 0.5482 | -1.096 |
| .858 | -.9270 | 0.9270 | -1.854 |
| .775 | -1.122 | 1.1221 | -2.244 |
| .720 | -1.179 | 1.1792 | -2.358 |
| .679 | -1.202 | 1.2017 | -2.403 |
| .578 | -1.191 | 1.1905 | -2.381 |
| .423 | -.8898 | 0.8898 | -1.780 |
| .298 | -.2948 | 0.2948 | -.5896 |
| .228 | 0.1790 | -.1790 | 0.3580 |
| .151 | 0.8948 | -.8948 | 1.7896 |
| .060 | 2.7364 | -2.736 | 5.4729 |
| .012 | 7.5657 | -7.566 | 15.131 |

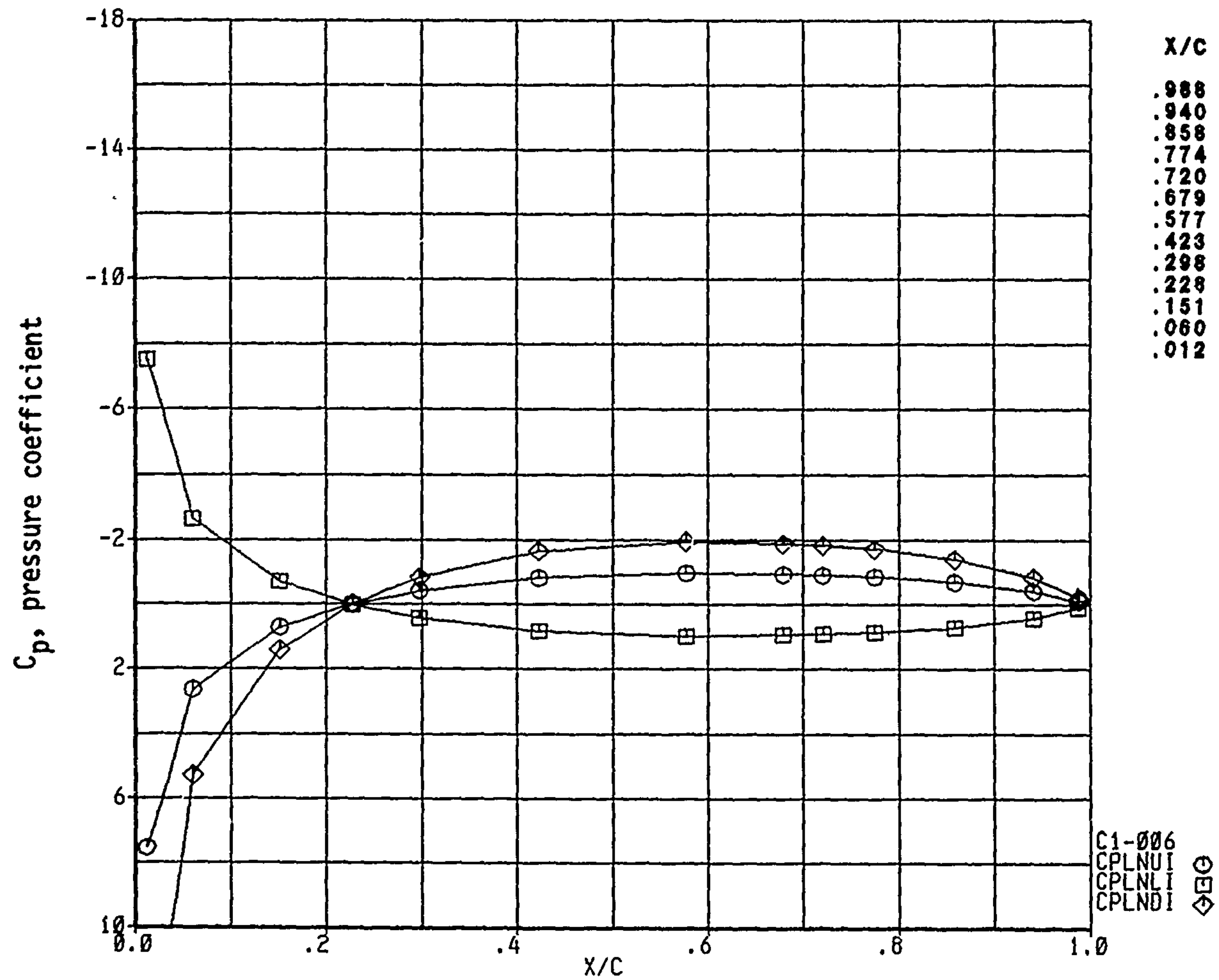
Figure 254, Chordwise Pressure Distribution, Imaginary, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1168 | 0.1168 | -.2337 |
| .940 | -.4899 | 0.4899 | -.9797 |
| .858 | -.8286 | 0.8286 | -1.657 |
| .774 | -1.015 | 1.0153 | -2.030 |
| .720 | -1.072 | 1.0719 | -2.144 |
| .679 | -1.097 | 1.0972 | -2.194 |
| .577 | -1.106 | 1.1056 | -2.211 |
| .423 | -.8728 | 0.8728 | -1.746 |
| .298 | -.3476 | 0.3476 | -.6952 |
| .228 | 0.1065 | -.1065 | 0.2130 |
| .151 | 0.8335 | -.8335 | 1.6670 |
| .060 | 2.7197 | -2.720 | 5.4394 |
| .012 | 7.6179 | -7.618 | 15.236 |

Figure 255, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
1.5906

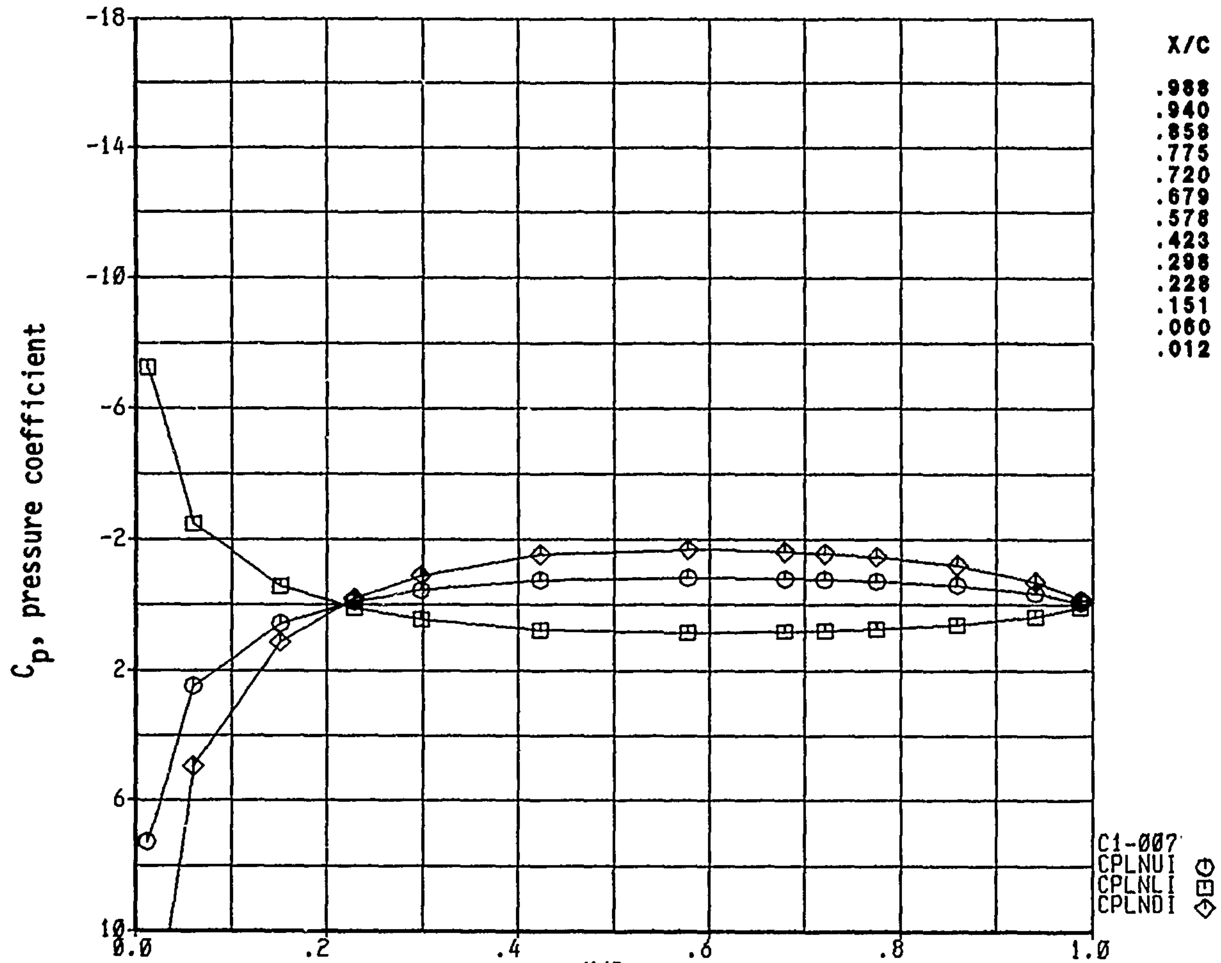



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0982 | 0.0982 | -.1965 |
| .940 | -.4153 | 0.4153 | -.8308 |
| .858 | -.6998 | 0.6998 | -1.400 |
| .774 | -.8596 | 0.8596 | -1.719 |
| .720 | -.9115 | 0.9115 | -1.823 |
| .679 | -.9402 | 0.9402 | -1.880 |
| .577 | -.9706 | 0.9706 | -1.941 |
| .423 | -.8288 | 0.8288 | -1.658 |
| .298 | -.4145 | 0.4145 | -.8290 |
| .228 | -.0111 | 0.0111 | -.0222 |
| .151 | 0.7067 | -.7067 | 1.4133 |
| .060 | 2.6365 | -2.636 | 5.2730 |
| .012 | 7.5244 | -7.524 | 15.049 |

03-MAR-80 14:12:05

Figure 256, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
1.7035

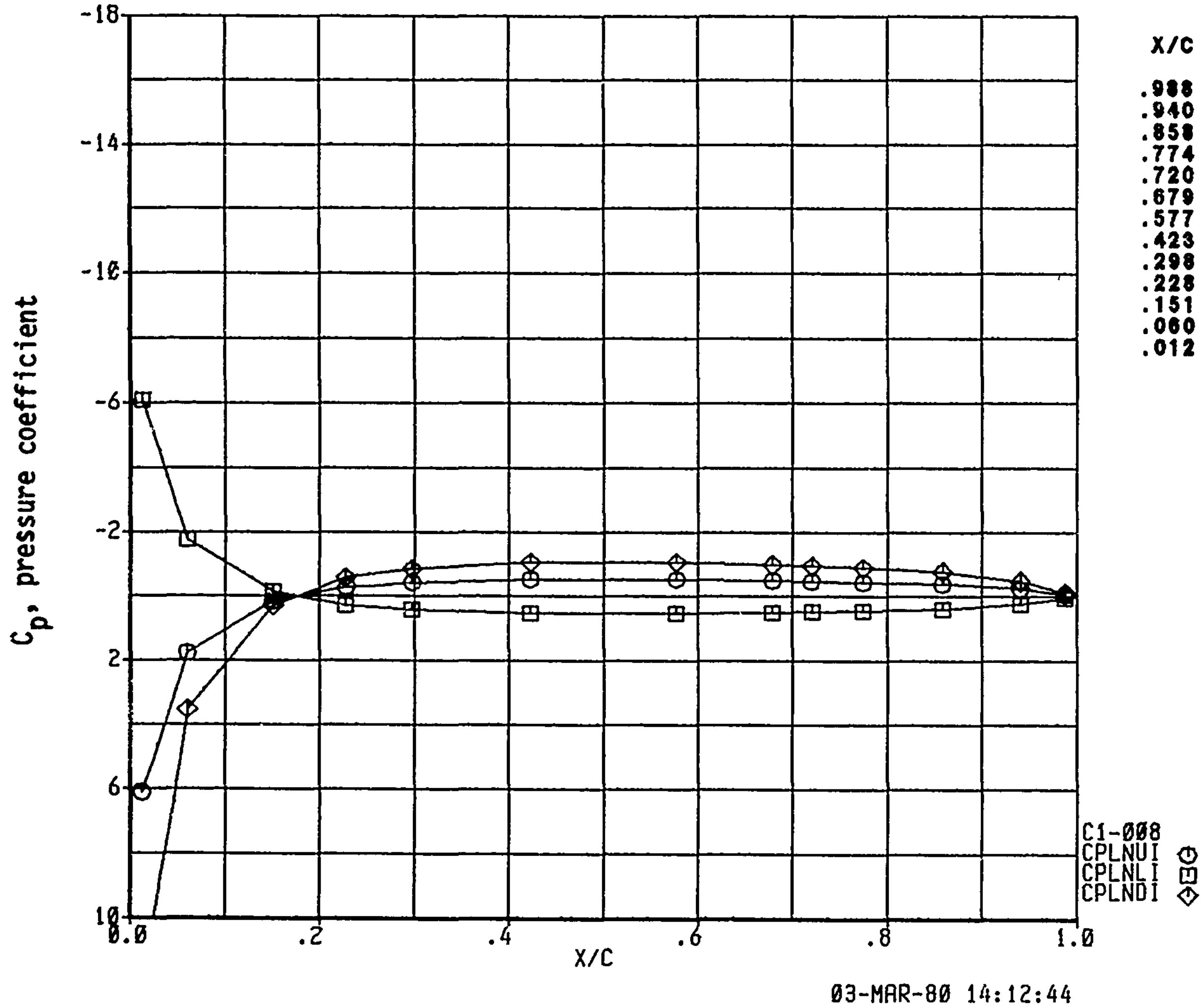



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0766 | 0.0766 | -.1531 |
| .940 | -.3585 | 0.3585 | -.7171 |
| .858 | -.6108 | 0.6108 | -1.222 |
| .775 | -.7344 | 0.7344 | -1.469 |
| .720 | -.7796 | 0.7796 | -1.559 |
| .679 | -.8072 | 0.8072 | -1.614 |
| .578 | -.8470 | 0.8470 | -1.694 |
| .423 | -.7694 | 0.7694 | -1.539 |
| .298 | -.4490 | 0.4490 | -.8980 |
| .228 | -.0957 | 0.0957 | -.1913 |
| .151 | 0.5702 | -.5702 | 1.1403 |
| .060 | 2.4724 | -2.472 | 4.9448 |
| .012 | 7.2607 | -7.261 | 14.521 |

03-MAR-80 14:12:25

Figure 257, Chordwise Pressure Distribution, Imaginary, Configuration 1

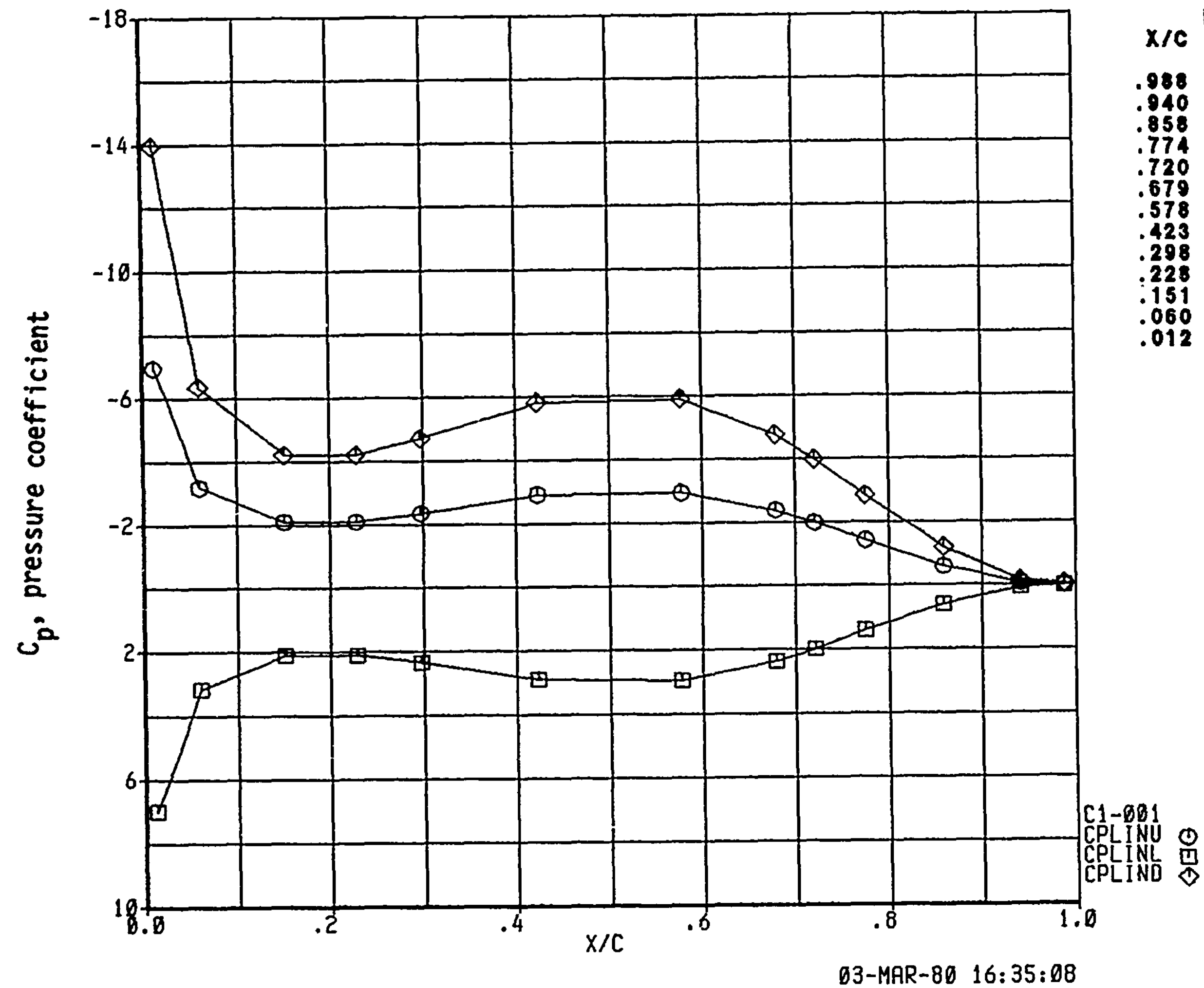
MACH NO. = 0.900 ANGLE OF ATTACK = 0.000
1.9021




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.0594 | 0.0594 | -.1188 |
| .940 | -.2350 | 0.2350 | -.4700 |
| .858 | -.3846 | 0.3846 | -.7691 |
| .774 | -.4464 | 0.4464 | -.8928 |
| .720 | -.4679 | 0.4679 | -.9358 |
| .679 | -.4866 | 0.4866 | -.9733 |
| .577 | -.5200 | 0.5200 | -1.040 |
| .423 | -.5192 | 0.5192 | -1.038 |
| .298 | -.4134 | 0.4134 | -.8268 |
| .228 | -.2775 | 0.2775 | -.5550 |
| .151 | 0.1458 | -.1458 | 0.2915 |
| .060 | 1.7616 | -1.762 | 3.5233 |
| .012 | 6.1003 | -6.100 | 12.201 |

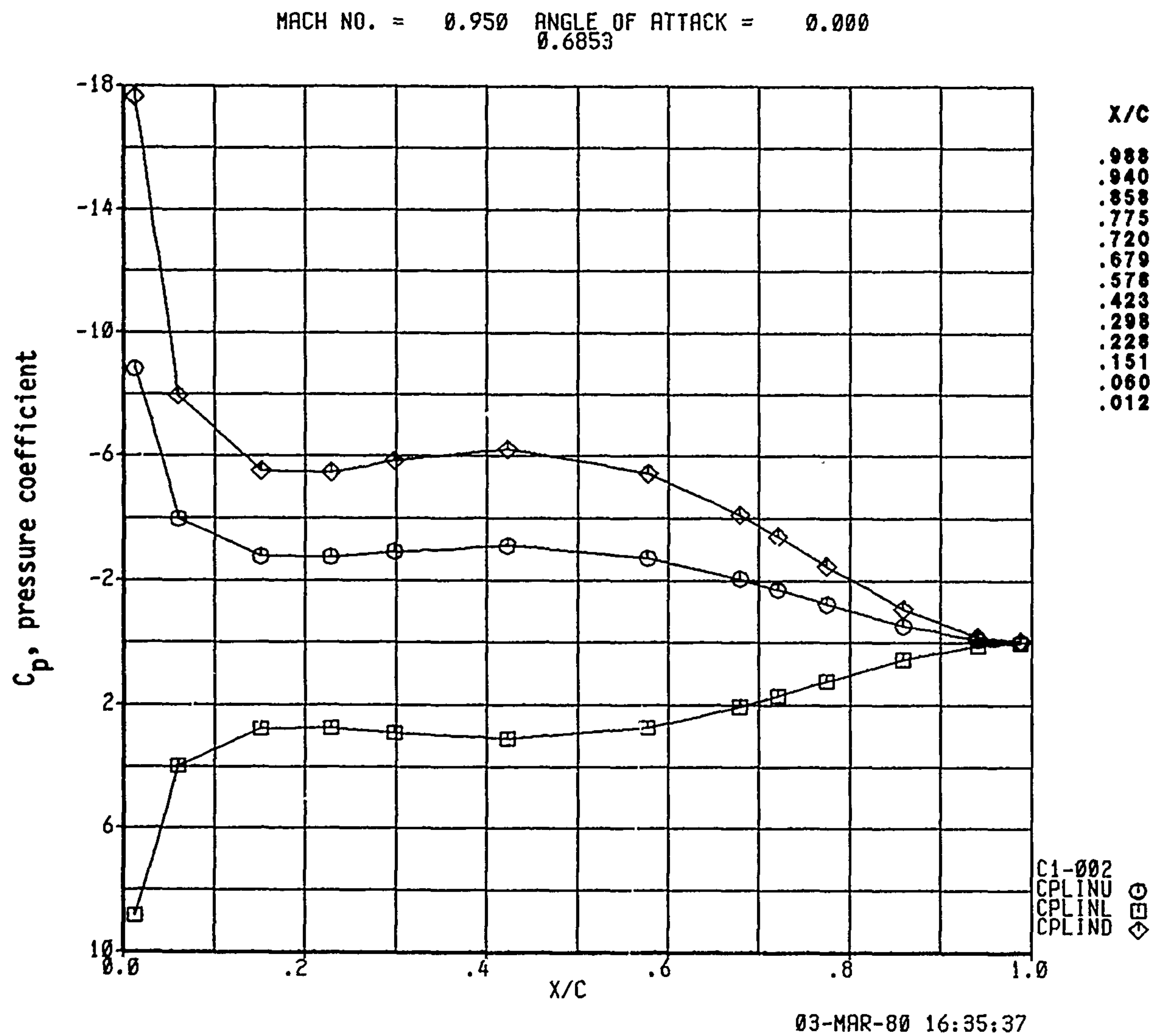
Figure 258, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.950 ANGLE OF ATTACK = 0.000
0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0152 | 0.0152 | -.0304 |
| .940 | -.0697 | 0.0697 | -.1394 |
| .858 | -.5984 | 0.5984 | -1.197 |
| .774 | -1.423 | 1.4232 | -2.846 |
| .720 | -1.990 | 1.9901 | -3.980 |
| .679 | -2.380 | 2.3796 | -4.759 |
| .578 | -2.952 | 2.9520 | -5.904 |
| .423 | -2.910 | 2.9104 | -5.821 |
| .298 | -2.356 | 2.3557 | -4.711 |
| .228 | -2.103 | 2.1033 | -4.207 |
| .151 | -2.104 | 2.1040 | -4.208 |
| .060 | -3.184 | 3.1837 | -6.367 |
| .012 | -6.971 | 6.9710 | -13.94 |

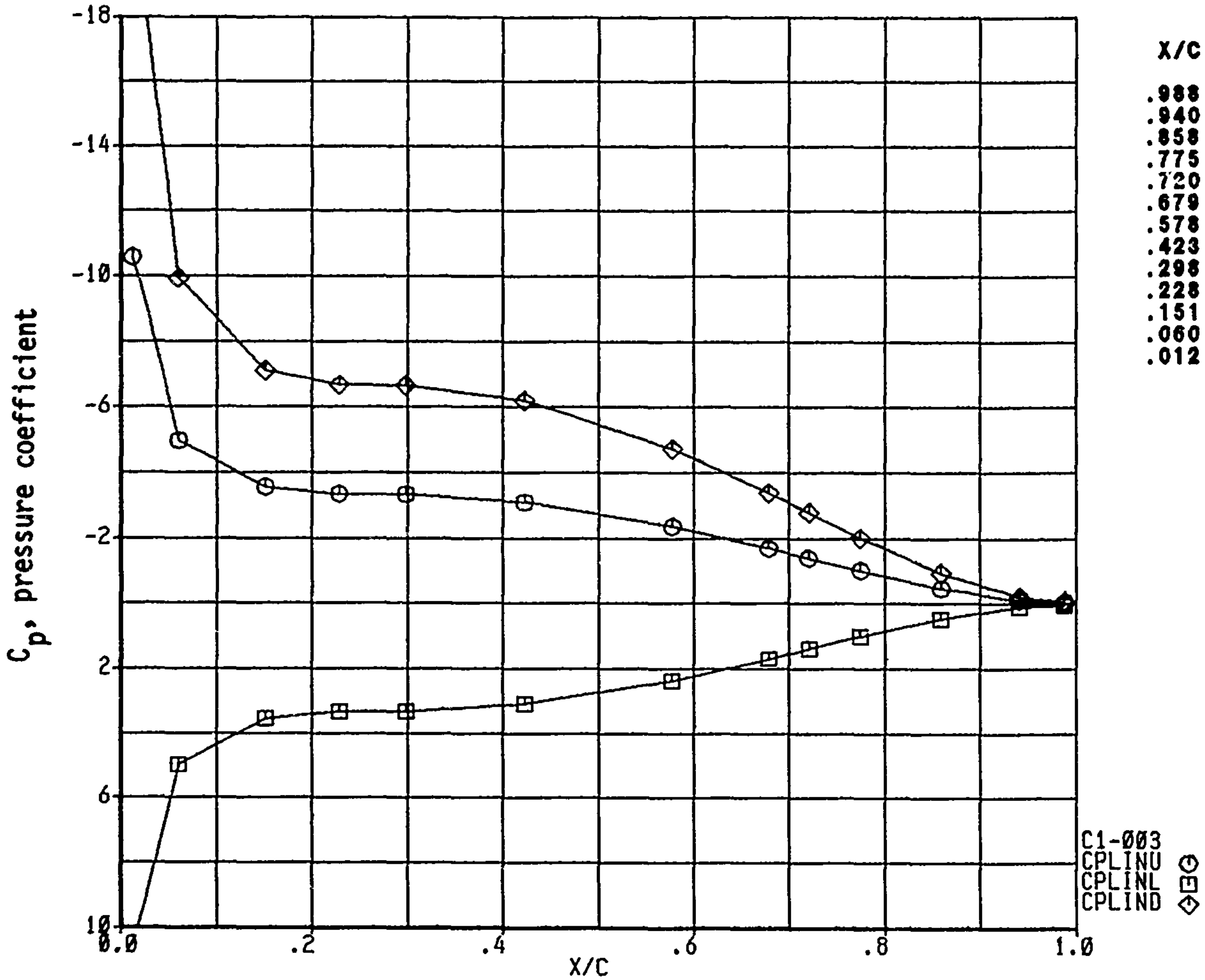
Figure 259, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0255 | 0.0255 | -.0511 |
| .940 | -.0873 | 0.0873 | -.1746 |
| .858 | -.5382 | 0.5382 | -1.076 |
| .775 | -1.226 | 1.2259 | -2.452 |
| .720 | -1.703 | 1.7028 | -3.406 |
| .679 | -2.058 | 2.0581 | -4.116 |
| .578 | -2.717 | 2.7175 | -5.435 |
| .423 | -3.105 | 3.1051 | -6.210 |
| .298 | -2.916 | 2.9164 | -5.833 |
| .228 | -2.736 | 2.7361 | -5.472 |
| .151 | -2.759 | 2.7585 | -5.517 |
| .060 | -3.976 | 3.9759 | -7.952 |
| .012 | -8.826 | 8.8256 | -17.65 |

Figure 260, Chordwise Pressure Distribution, Real, Configuration 1

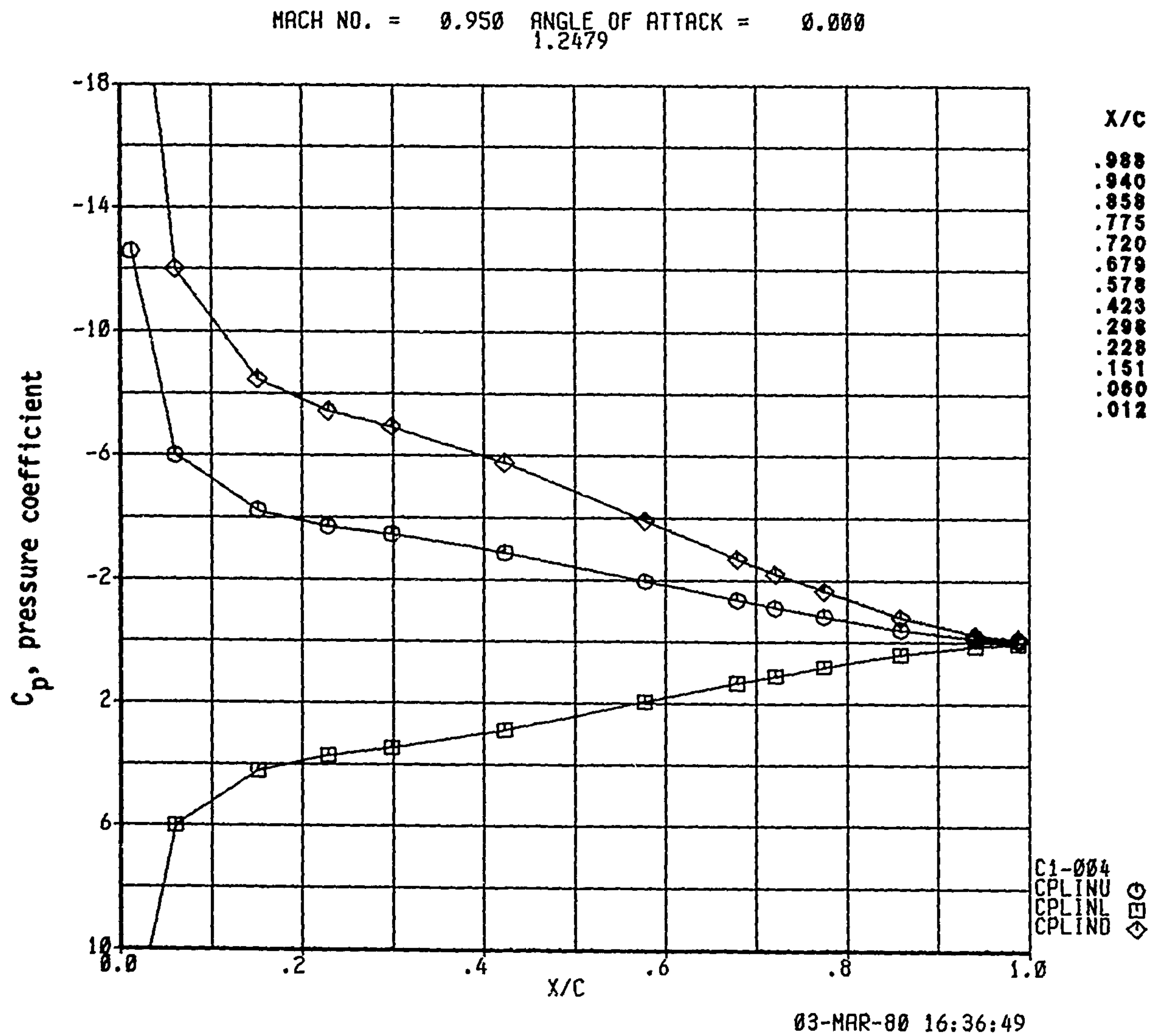
MACH NO. = 0.950 ANGLE OF ATTACK = 0.000
0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0405 | 0.0405 | -.0810 |
| .940 | -.1029 | 0.1029 | -.2057 |
| .858 | -.4646 | 0.4646 | -.9293 |
| .775 | -1.005 | 1.0052 | -2.010 |
| .720 | -1.387 | 1.3867 | -2.773 |
| .679 | -1.686 | 1.6862 | -3.372 |
| .578 | -2.361 | 2.3612 | -4.722 |
| .423 | -3.098 | 3.0978 | -6.196 |
| .298 | -3.328 | 3.3277 | -6.656 |
| .228 | -3.339 | 3.3391 | -6.678 |
| .151 | -3.555 | 3.5548 | -7.109 |
| .060 | -4.966 | 4.9665 | -9.933 |
| .012 | -10.57 | 10.573 | -21.15 |

03-MAR-80 16:36:12

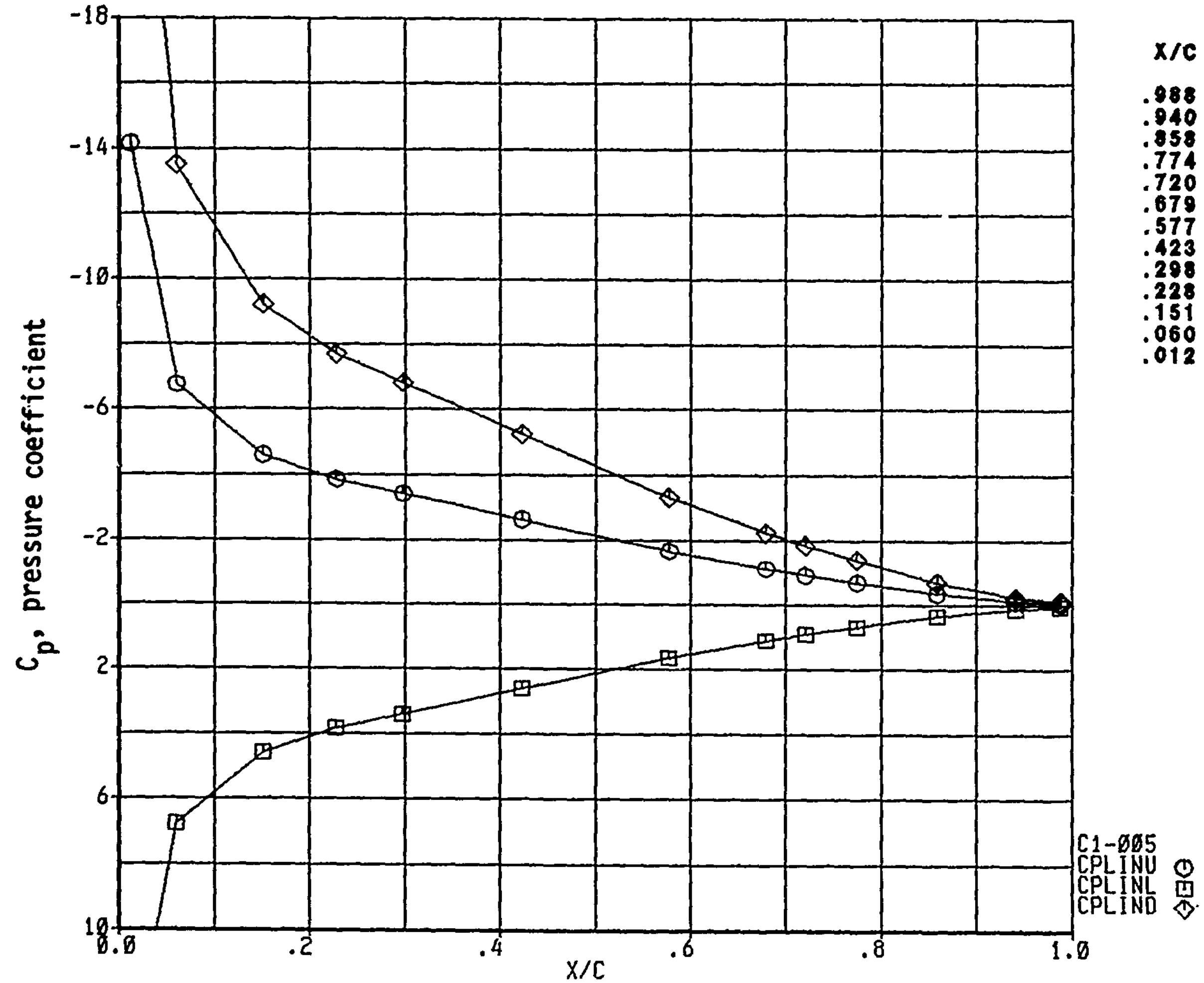
Figure 261, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0506 | 0.0506 | -.1012 |
| .940 | -.1076 | 0.1076 | -.2150 |
| .858 | -.3935 | 0.3935 | -.7870 |
| .775 | -.8133 | 0.8133 | -1.627 |
| .720 | -1.101 | 1.1007 | -2.201 |
| .679 | -1.339 | 1.3385 | -2.677 |
| .578 | -1.956 | 1.9559 | -3.912 |
| .423 | -2.881 | 2.8810 | -5.762 |
| .298 | -3.468 | 3.4684 | -6.937 |
| .228 | -3.717 | 3.7167 | -7.433 |
| .151 | -4.220 | 4.2204 | -8.441 |
| .060 | -6.006 | 6.0058 | -12.01 |
| .012 | -12.58 | 12.579 | -25.16 |

Figure 262, CHordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.950 ANGLE OF ATTACK = 0.000
1.4037

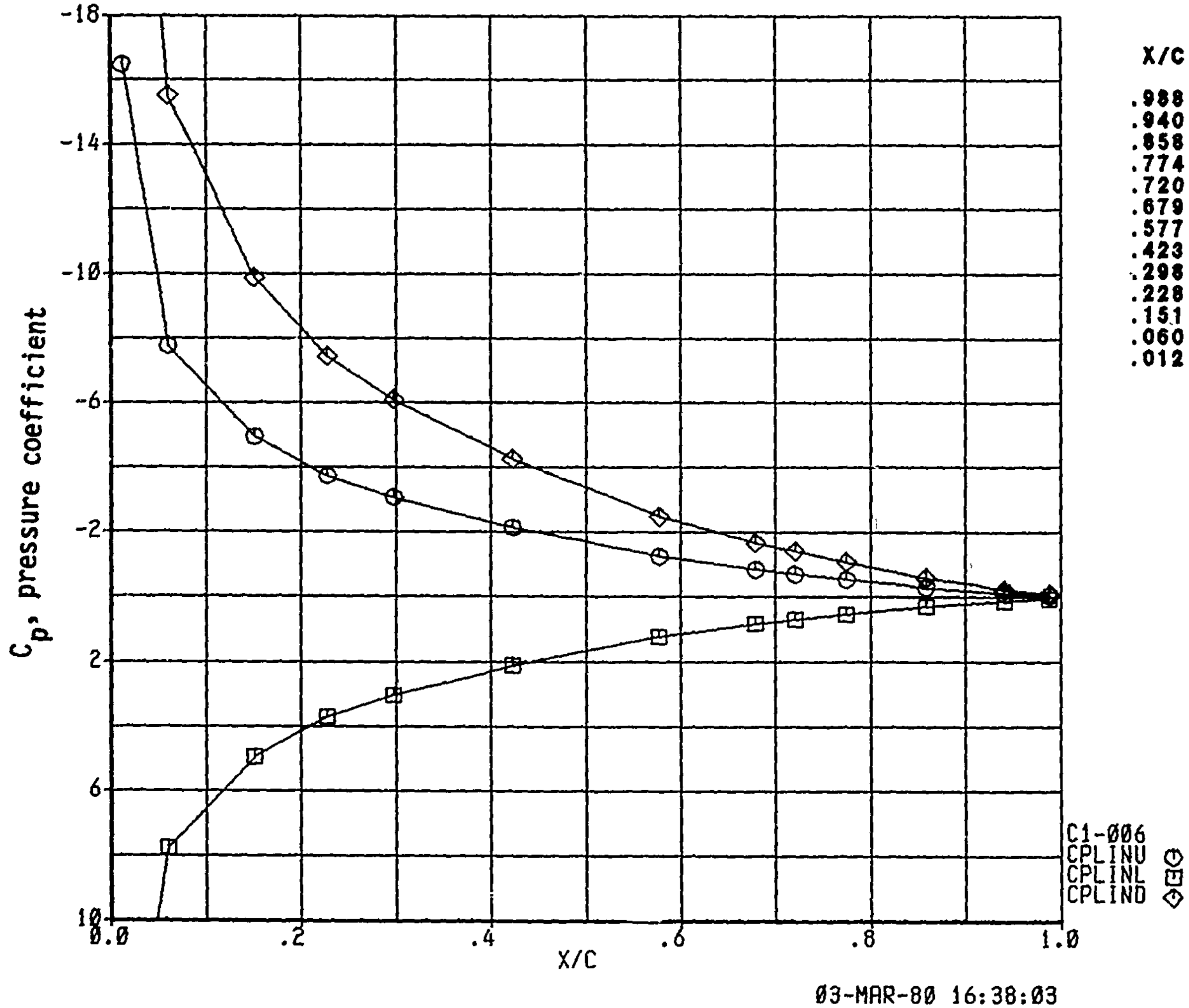



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0546 | 0.0546 | -.1091 |
| .940 | -.1080 | 0.1080 | -.2160 |
| .858 | -.3451 | 0.3451 | -.6902 |
| .774 | -.6898 | 0.6898 | -1.380 |
| .720 | -.9169 | 0.9169 | -1.834 |
| .679 | -1.108 | 1.1078 | -2.216 |
| .577 | -1.651 | 1.6505 | -3.301 |
| .423 | -2.625 | 2.6249 | -5.250 |
| .298 | -3.413 | 3.4126 | -6.825 |
| .228 | -3.842 | 3.8415 | -7.683 |
| .151 | -4.603 | 4.6035 | -9.207 |
| .060 | -6.758 | 6.7578 | -13.52 |
| .012 | -14.16 | 14.160 | -28.32 |

03-MAR-80 16:37:13

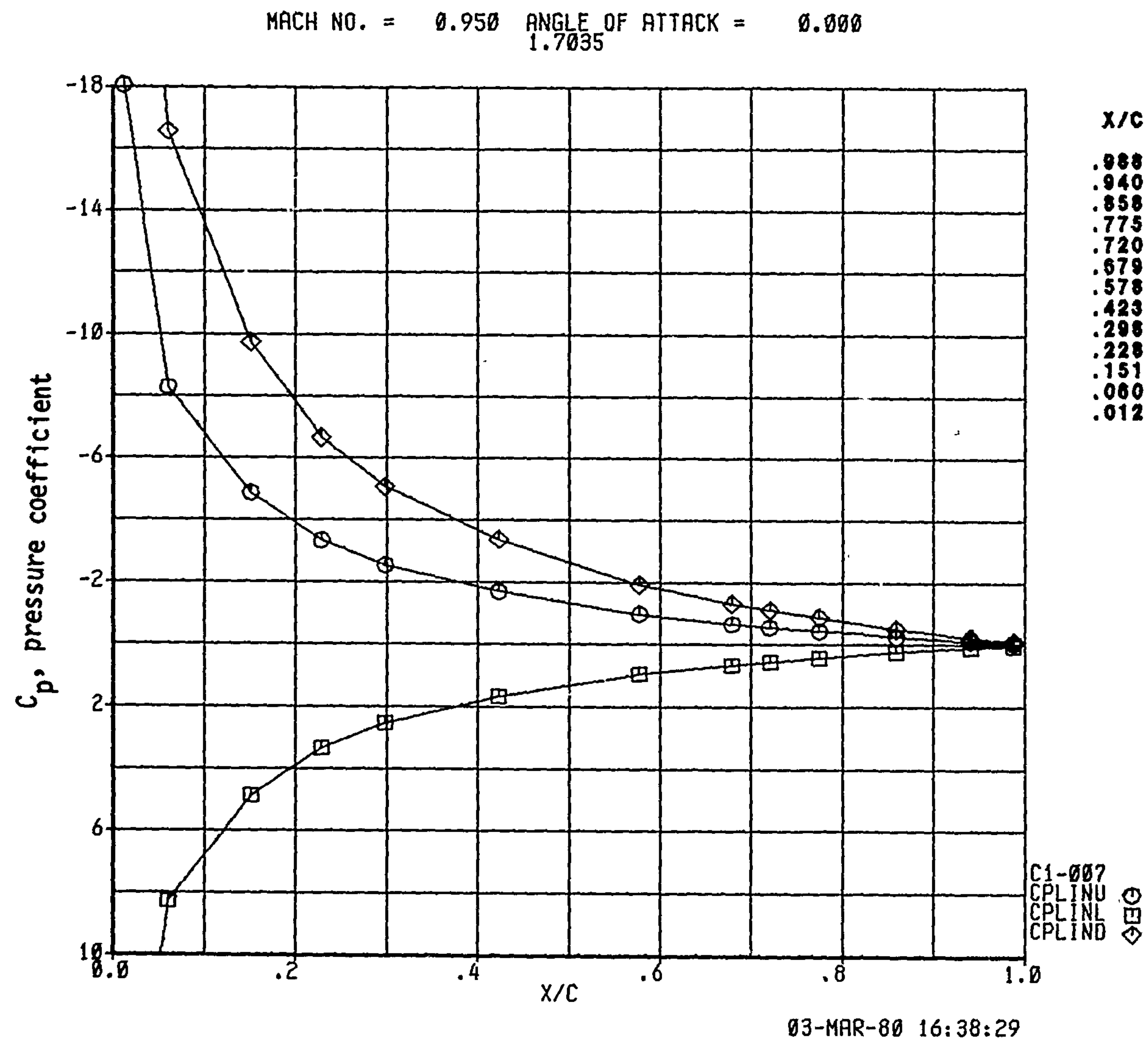
Figure 263, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.950 ANGLE OF ATTACK = 0.000
1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0524 | 0.0524 | -.1048 |
| .940 | -.1087 | 0.1087 | -.2175 |
| .858 | -.2839 | 0.2839 | -.5678 |
| .774 | -.5303 | 0.5303 | -1.061 |
| .720 | -.6956 | 0.6956 | -1.391 |
| .679 | -.8298 | 0.8298 | -1.660 |
| .577 | -1.232 | 1.2324 | -2.465 |
| .423 | -2.121 | 2.1211 | -4.242 |
| .298 | -3.047 | 3.0469 | -6.094 |
| .228 | -3.721 | 3.7211 | -7.442 |
| .151 | -4.941 | 4.9406 | -9.881 |
| .060 | -7.759 | 7.7591 | -15.52 |
| .012 | -16.48 | 16.478 | -32.96 |

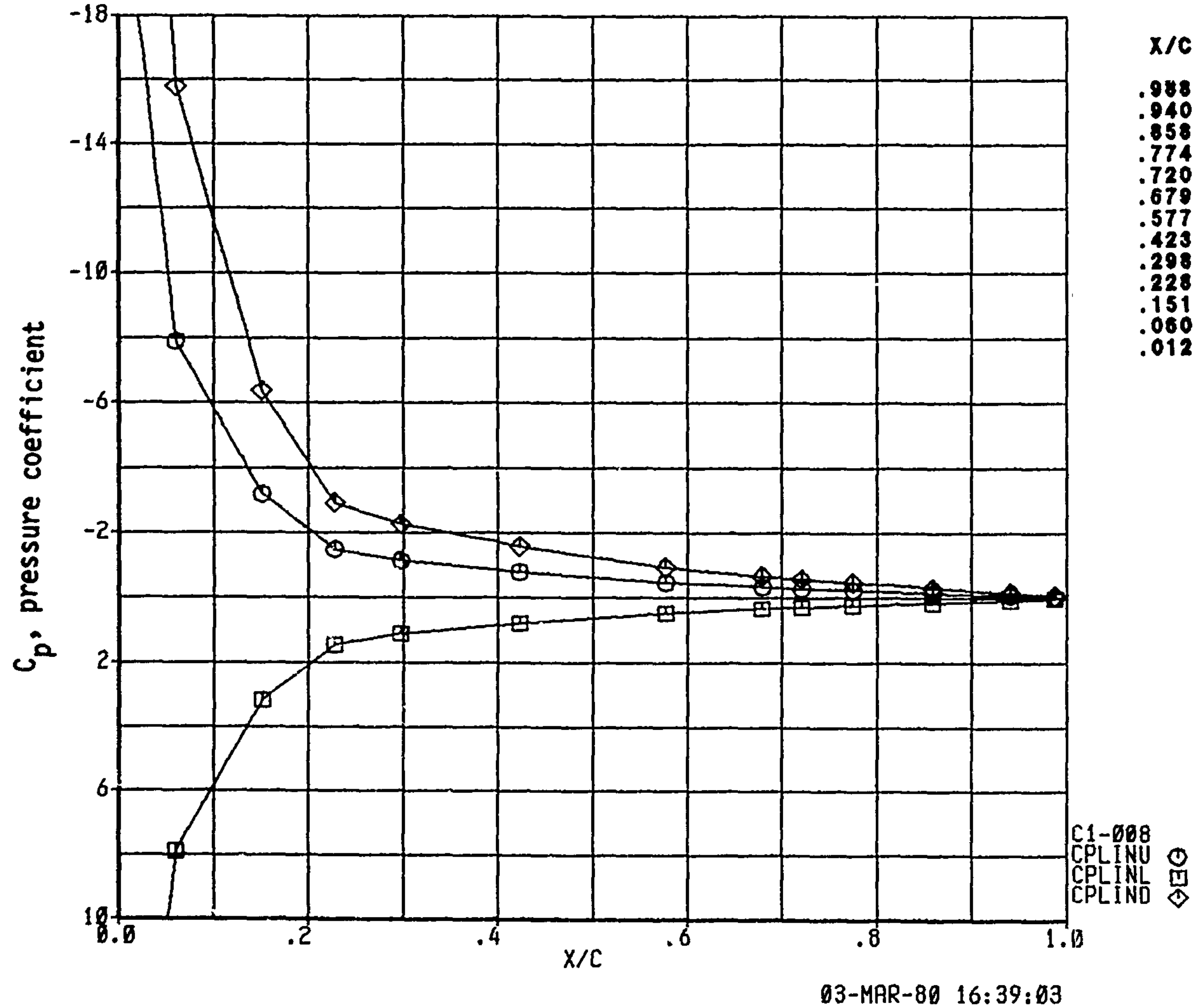
Figure 264, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0483 | 0.0483 | -.0967 |
| .940 | -.0982 | 0.0982 | -.1963 |
| .858 | -.2443 | 0.2443 | -.4887 |
| .775 | -.4324 | 0.4324 | -.8647 |
| .720 | -.5486 | 0.5486 | -1.097 |
| .679 | -.6510 | 0.6510 | -1.302 |
| .578 | -.9574 | 0.9574 | -1.915 |
| .423 | -1.684 | 1.6844 | -3.369 |
| .298 | -2.538 | 2.5377 | -5.076 |
| .228 | -3.326 | 3.3261 | -6.652 |
| .151 | -4.871 | 4.8705 | -9.741 |
| .060 | -8.285 | 8.2846 | -16.57 |
| .012 | -18.05 | 18.046 | -36.09 |

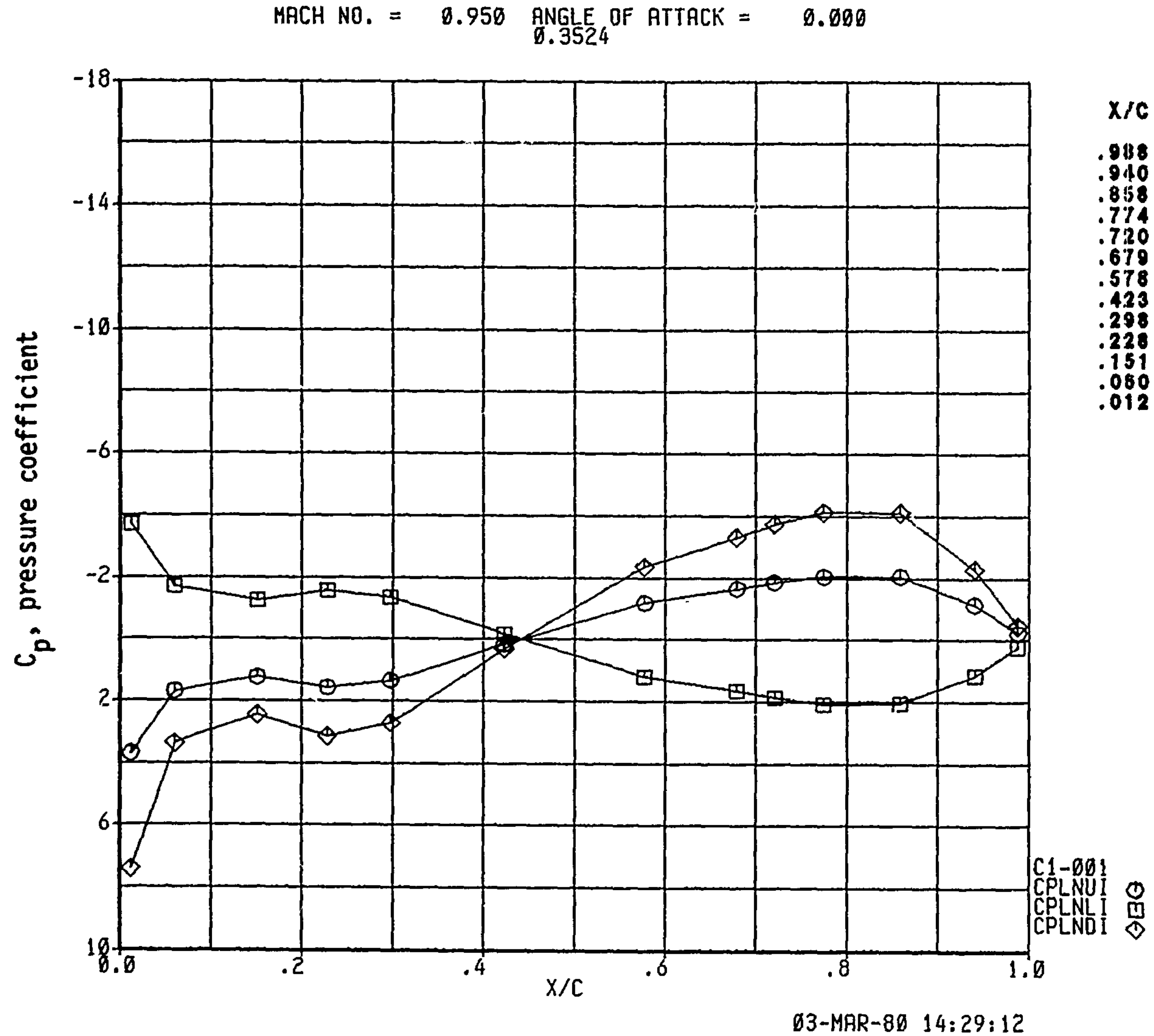
Figure 265, Chordwise Pressure Distribution, Real, Configuration 1

MACH NO. = 0.950 ANGLE OF ATTACK = 0.000
1.9021




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.0336 | 0.0336 | -.0672 |
| .940 | -.0704 | 0.0704 | -.1407 |
| .858 | -.1497 | 0.1497 | -.2994 |
| .774 | -.2385 | 0.2385 | -.4771 |
| .720 | -.2782 | 0.2782 | -.5564 |
| .679 | -.3299 | 0.3299 | -.6598 |
| .577 | -.4633 | 0.4633 | -.9266 |
| .423 | -.7821 | 0.7821 | -1.564 |
| .298 | -1.128 | 1.1283 | -2.257 |
| .228 | -1.461 | 1.4605 | -2.921 |
| .151 | -3.192 | 3.1919 | -6.384 |
| .060 | -7.892 | 7.8924 | -15.78 |
| .012 | -20.06 | 20.057 | -40.11 |

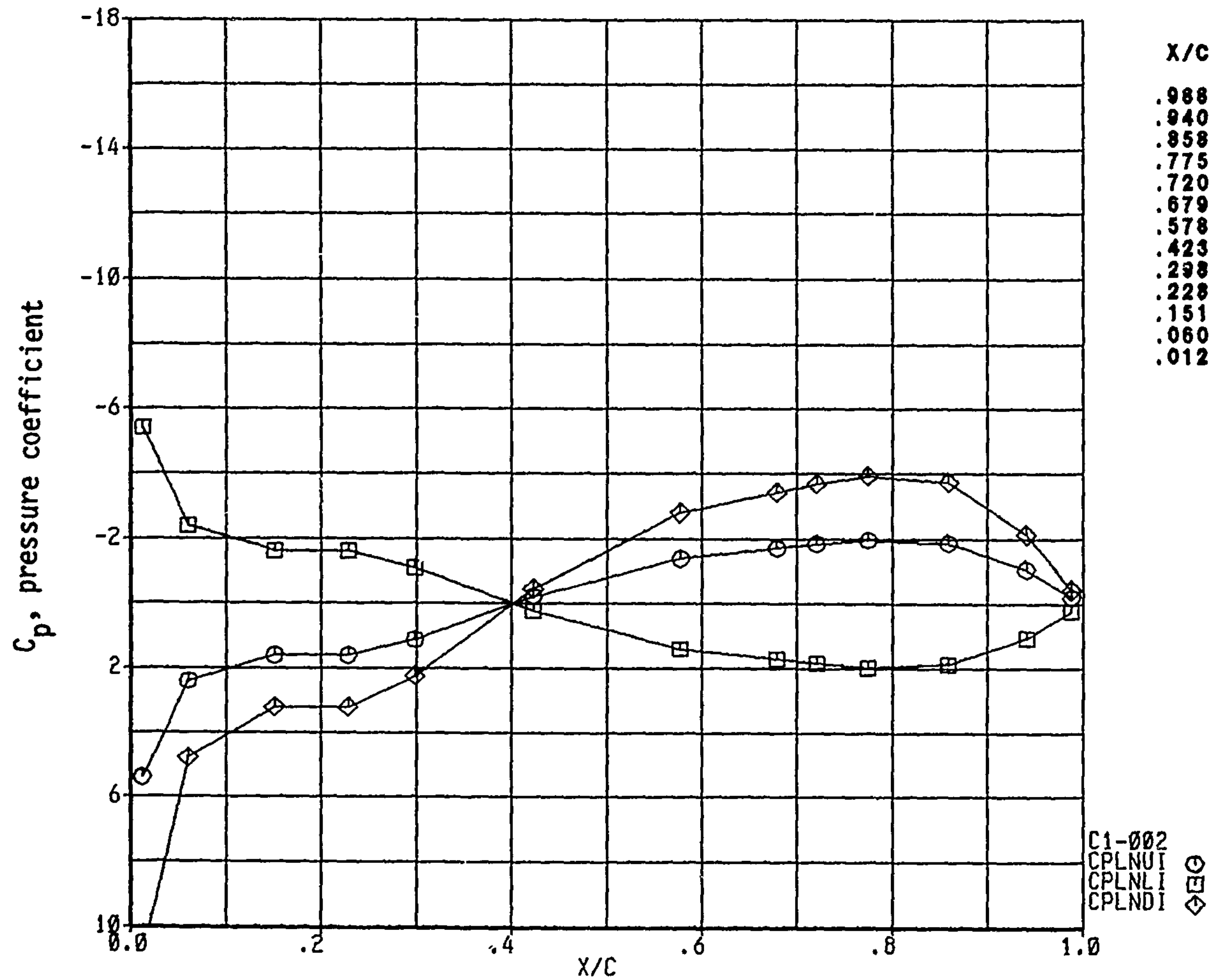
Figure 266, Chordwise Pressure Distribution, Real, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2276 | 0.2276 | -.4552 |
| .940 | -1.145 | 1.1447 | -2.289 |
| .858 | -2.051 | 2.0509 | -4.102 |
| .774 | -2.064 | 2.0640 | -4.128 |
| .720 | -1.872 | 1.8719 | -3.744 |
| .679 | -1.659 | 1.6589 | -3.318 |
| .578 | -1.179 | 1.1794 | -2.359 |
| .423 | 0.1528 | -.1528 | 0.3055 |
| .298 | 1.3557 | -1.356 | 2.7114 |
| .228 | 1.5771 | -1.577 | 3.1541 |
| .151 | 1.2309 | -1.231 | 2.4617 |
| .060 | 1.6902 | -1.690 | 3.3804 |
| .012 | 3.7073 | -3.707 | 7.4146 |

Figure 267, Chordwise Pressure Distribution, Imaginary, Configuration 1

MACH NO. = 0.950 ANGLE OF ATTACK = 0.000
0.6853

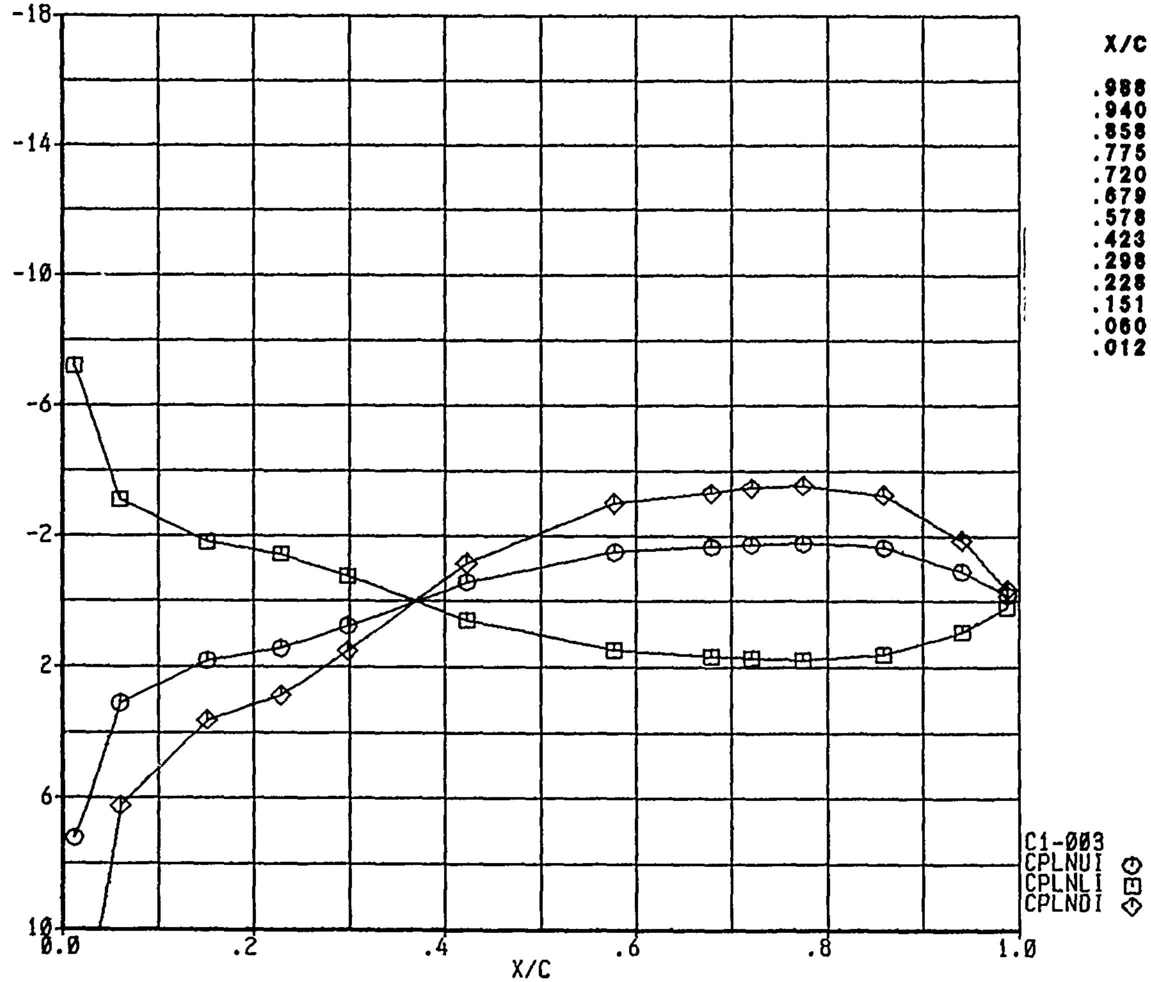



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2200 | 0.2200 | -.4400 |
| .940 | -1.063 | 1.0629 | -2.126 |
| .858 | -1.870 | 1.8703 | -3.740 |
| .775 | -1.963 | 1.9626 | -3.925 |
| .720 | -1.847 | 1.8473 | -3.694 |
| .679 | -1.712 | 1.7119 | -3.424 |
| .578 | -1.398 | 1.3983 | -2.797 |
| .423 | -.2298 | 0.2298 | -.4595 |
| .298 | 1.1154 | -1.115 | 2.2309 |
| .228 | 1.6118 | -1.612 | 3.2235 |
| .151 | 1.6099 | -1.610 | 3.2199 |
| .060 | 2.3973 | -2.397 | 4.7947 |
| .012 | 5.4168 | -5.417 | 10.834 |

03-MAR-80 14:29:28

Figure 268, Chordwise Pressure Distribution, Imaginary, Configuration 1

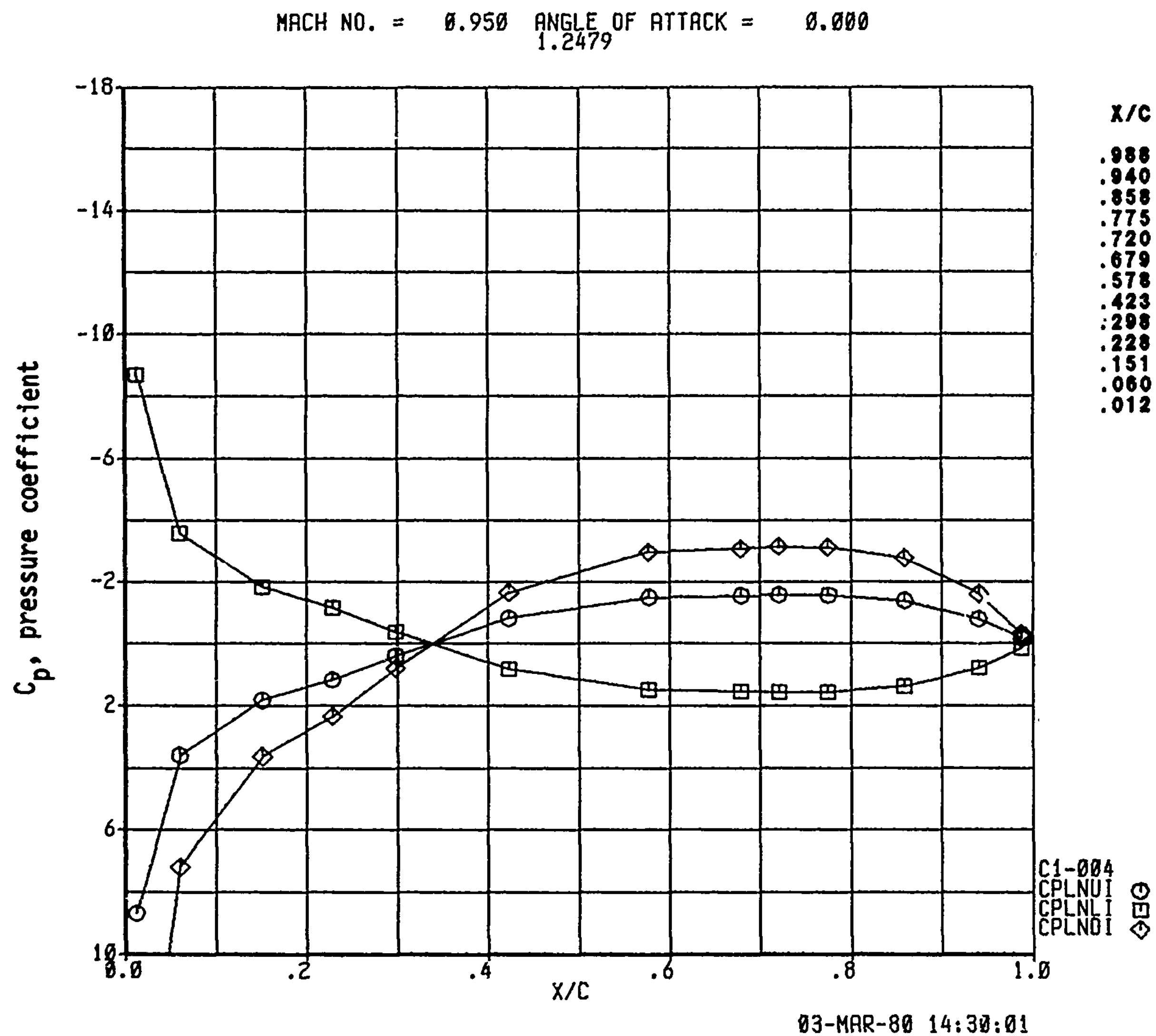
MACH NO. = Ø.95Ø ANGLE OF ATTACK = Ø.ØØØ
Ø.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1844 | 0.1844 | -.3689 |
| .940 | -.9289 | 0.9289 | -1.858 |
| .858 | -1.628 | 1.6276 | -3.255 |
| .775 | -1.778 | 1.7779 | -3.556 |
| .720 | -1.739 | 1.7390 | -3.478 |
| .679 | -1.666 | 1.6655 | -3.331 |
| .578 | -1.507 | 1.5067 | -3.013 |
| .423 | -.5825 | 0.5825 | -1.165 |
| .298 | 0.7654 | -.7654 | 1.5308 |
| .228 | 1.4423 | -1.442 | 2.8846 |
| .151 | 1.8123 | -1.812 | 3.6248 |
| .060 | 3.1137 | -3.114 | 6.2274 |
| .012 | 7.2071 | -7.207 | 14.414 |

Ø3-MAR-8Ø 14:29:44

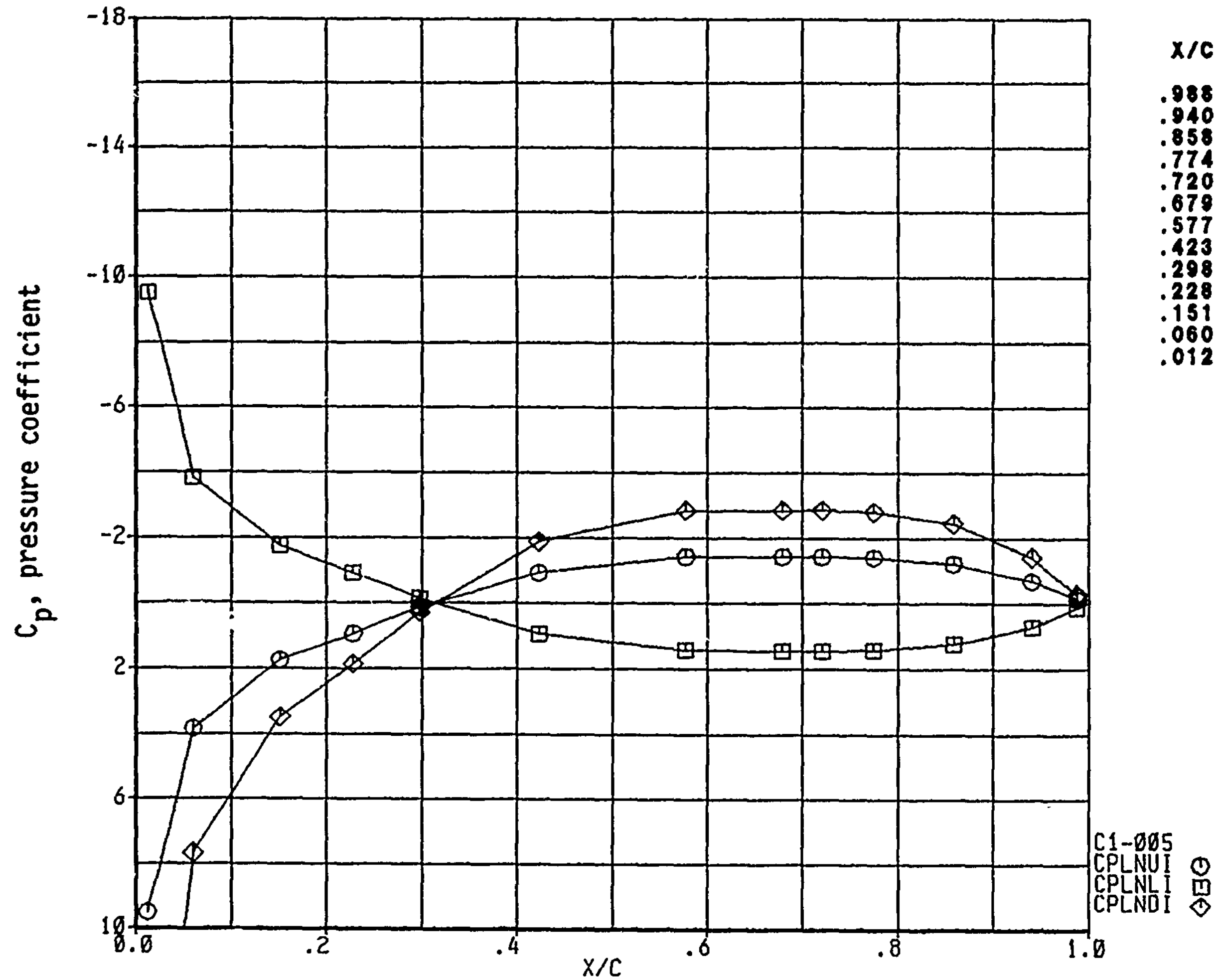
Figure 269, Chordwise Pressure Distribution, Imaginary, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1558 | 0.1558 | -.3116 |
| .940 | -.7959 | 0.7959 | -1.592 |
| .858 | -1.387 | 1.3869 | -2.774 |
| .775 | -1.563 | 1.5634 | -3.127 |
| .720 | -1.573 | 1.5733 | -3.147 |
| .679 | -1.543 | 1.5432 | -3.086 |
| .578 | -1.490 | 1.4896 | -2.979 |
| .423 | -.8270 | 0.8270 | -1.654 |
| .298 | 0.3997 | -.3997 | 0.7992 |
| .228 | 1.1687 | -1.169 | 2.3375 |
| .151 | 1.8179 | -1.818 | 3.6357 |
| .060 | 3.5954 | -3.595 | 7.1907 |
| .012 | 8.6762 | -8.676 | 17.352 |

Figure 270, Chordwise Pressure Distribution, Imaginary, Configuration 1

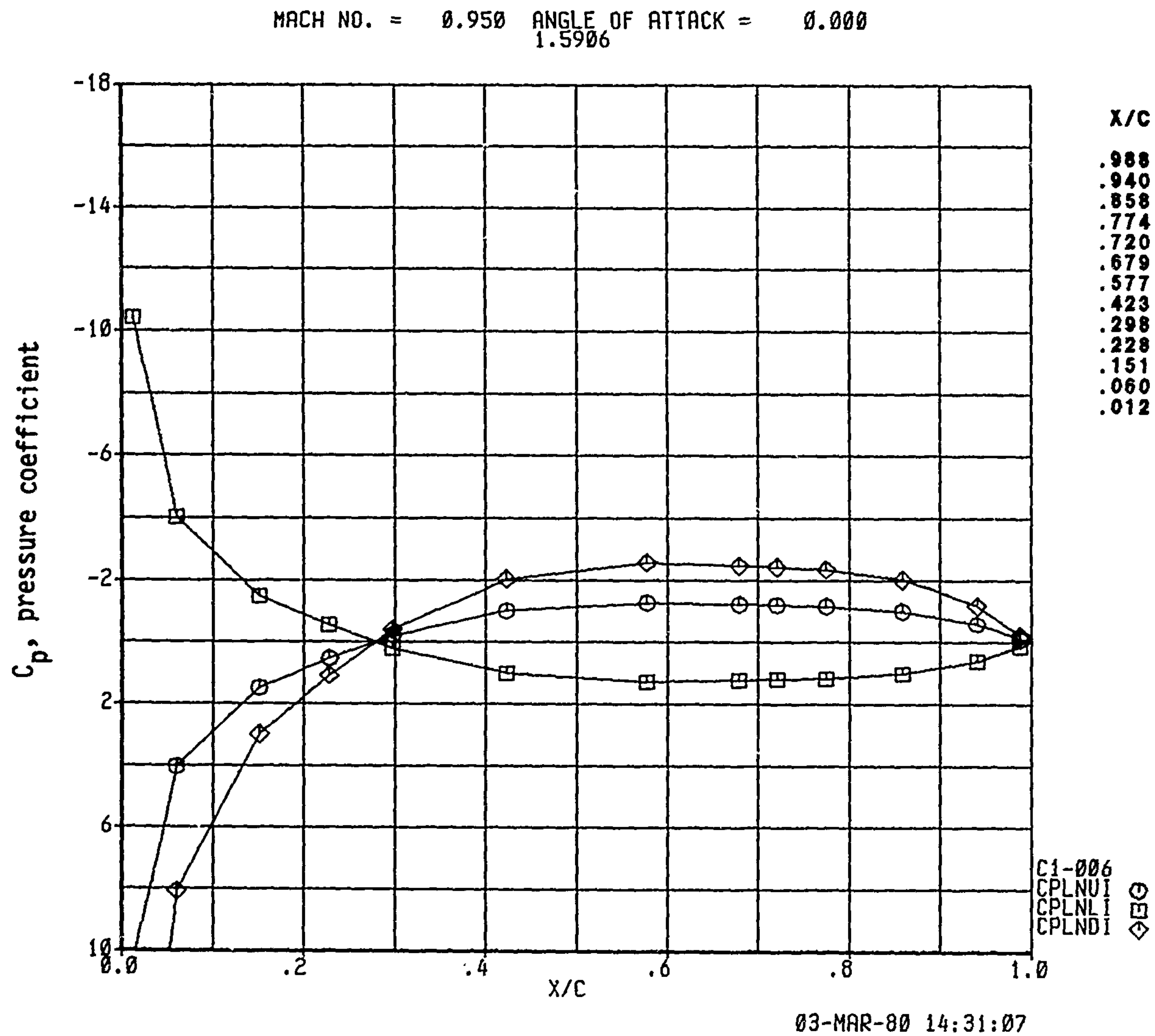
MACH NO. = 0.950 ANGLE OF ATTACK = 0.000
1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1388 | 0.1388 | -.2775 |
| .940 | -.7061 | 0.7061 | -1.412 |
| .858 | -1.220 | 1.2202 | -2.441 |
| .774 | -1.405 | 1.4054 | -2.811 |
| .720 | -1.433 | 1.4334 | -2.867 |
| .679 | -1.427 | 1.4273 | -2.855 |
| .577 | -1.427 | 1.4267 | -2.853 |
| .423 | -.9404 | 0.9404 | -1.881 |
| .298 | 0.1401 | -.1401 | 0.2802 |
| .228 | 0.9292 | -.9292 | 1.8584 |
| .151 | 1.7433 | -1.743 | 3.4865 |
| .060 | 3.8393 | -3.839 | 7.6786 |
| .012 | 9.5123 | -9.512 | 19.025 |

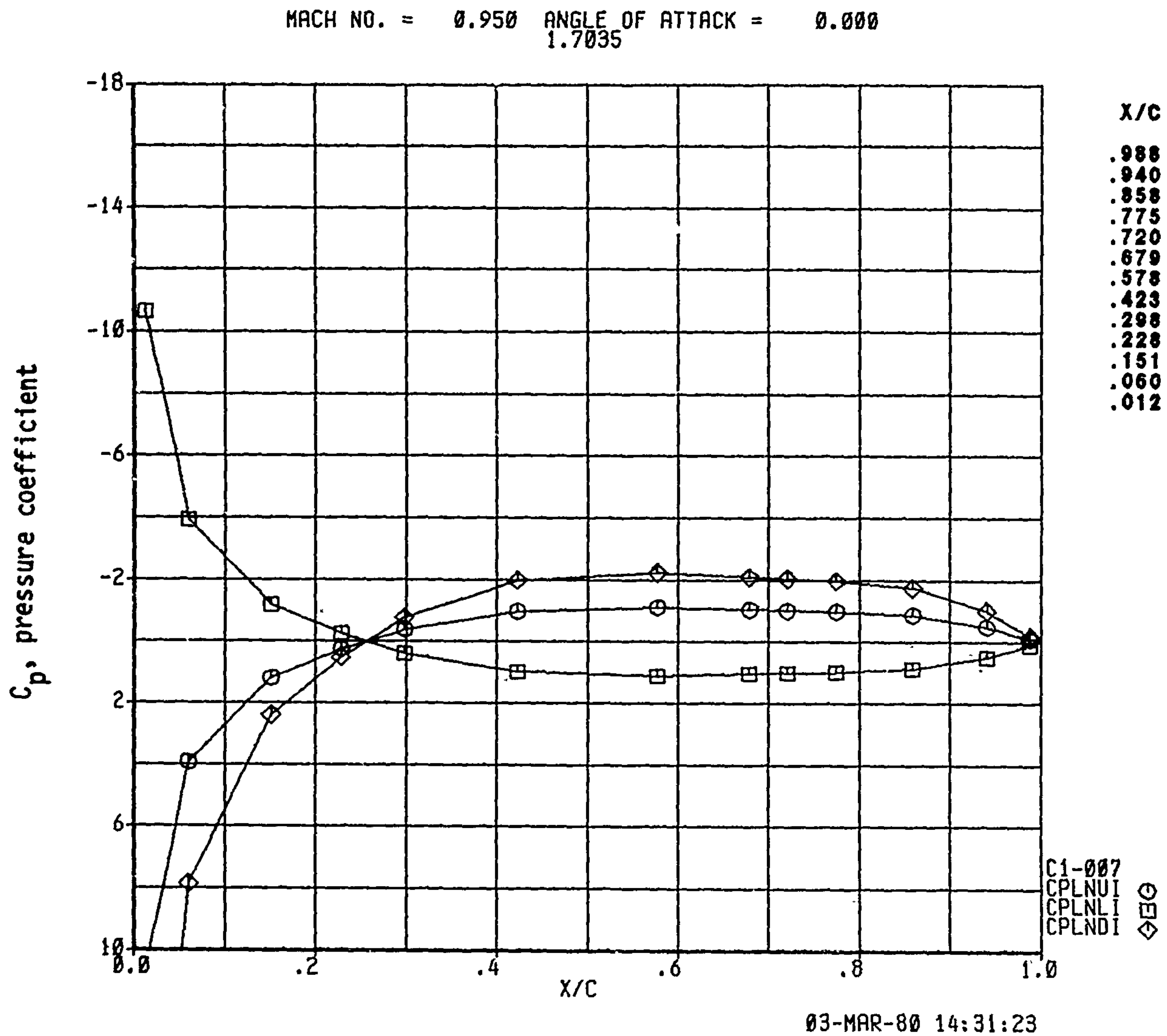
03-MAR-80 14:30:53

Figure 271, Chordwise Pressure Distribution, Imaginary, Configuration 1



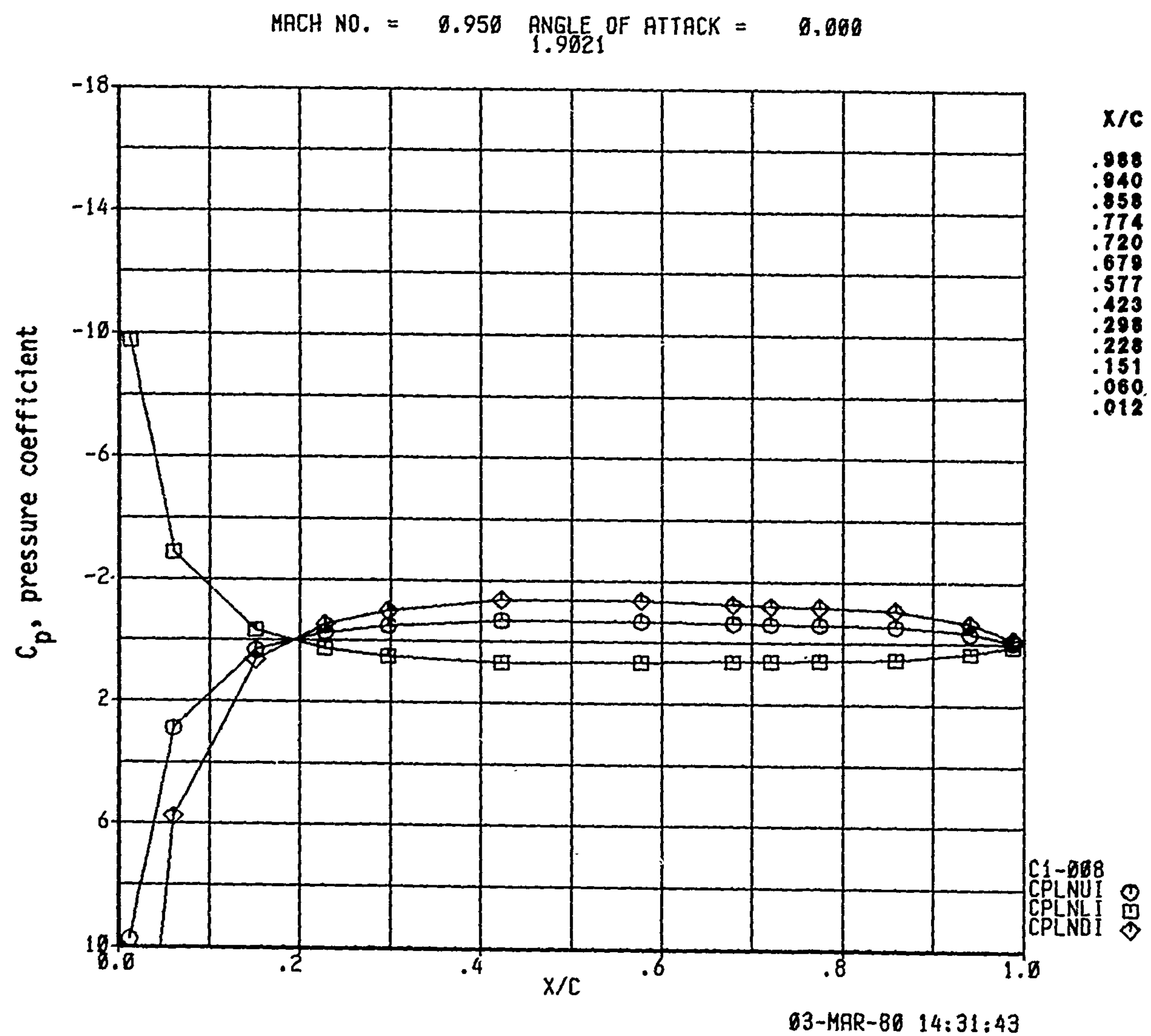

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1164 | 0.1164 | -.2330 |
| .940 | -.5925 | 0.5925 | -1.185 |
| .858 | -1.012 | 1.0119 | -2.024 |
| .774 | -1.176 | 1.1758 | -2.352 |
| .720 | -1.213 | 1.2132 | -2.427 |
| .679 | -1.232 | 1.2324 | -2.465 |
| .577 | -1.281 | 1.2815 | -2.563 |
| .423 | -1.019 | 1.0187 | -2.037 |
| .298 | -.2010 | 0.2010 | -.4019 |
| .228 | 0.5392 | -.5392 | 1.0784 |
| .151 | 1.4936 | -1.494 | 2.9873 |
| .060 | 4.0409 | -4.041 | 8.0818 |
| .012 | 10.426 | -10.43 | 20.853 |

Figure 272, Chordwise Pressure Distribution, Imaginary, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0861 | 0.0861 | -.1723 |
| .940 | -.5057 | 0.5057 | -1.011 |
| .858 | -.8737 | 0.8737 | -1.747 |
| .775 | -.9887 | 0.9887 | -1.977 |
| .720 | -1.024 | 1.0244 | -2.049 |
| .679 | -1.047 | 1.0471 | -2.094 |
| .578 | -1.115 | 1.1149 | -2.230 |
| .423 | -.9880 | 0.9880 | -1.976 |
| .298 | -.3888 | 0.3888 | -.7775 |
| .228 | 0.2541 | -.2541 | 0.5082 |
| .151 | 1.1968 | -1.197 | 2.3937 |
| .060 | 3.9271 | -3.927 | 7.8541 |
| .012 | 10.642 | -10.64 | 21.285 |

Figure 273, Chordwise Pressure Distribution, Imaginary, Configuration 1




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0671 | 0.0671 | -.1342 |
| .940 | -.3214 | 0.3214 | -.6427 |
| .858 | -.5314 | 0.5314 | -1.063 |
| .774 | -.5792 | 0.5792 | -1.158 |
| .720 | -.5940 | 0.5940 | -1.188 |
| .679 | -.6140 | 0.6140 | -1.228 |
| .577 | -.6707 | 0.6707 | -1.341 |
| .423 | -.6750 | 0.6750 | -1.350 |
| .298 | -.4875 | 0.4875 | -.9750 |
| .228 | -.2663 | 0.2663 | -.5326 |
| .151 | 0.3200 | -.3200 | 0.6399 |
| .060 | 2.8788 | -2.879 | 5.7577 |
| .012 | 9.7505 | -9.750 | 19.501 |

Figure 274, Chordwise Pressure Distribution, Imaginary, Configuration 1

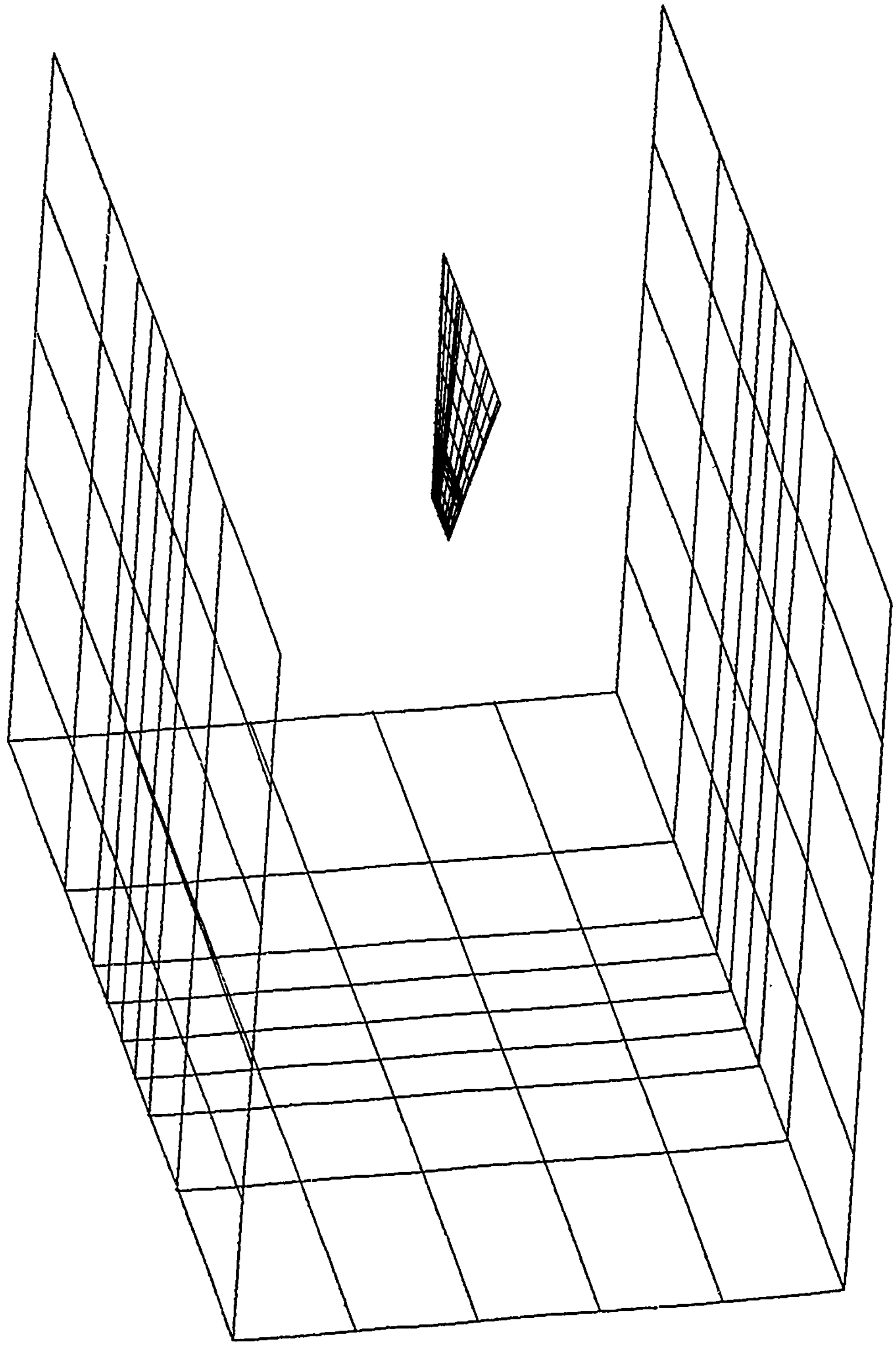
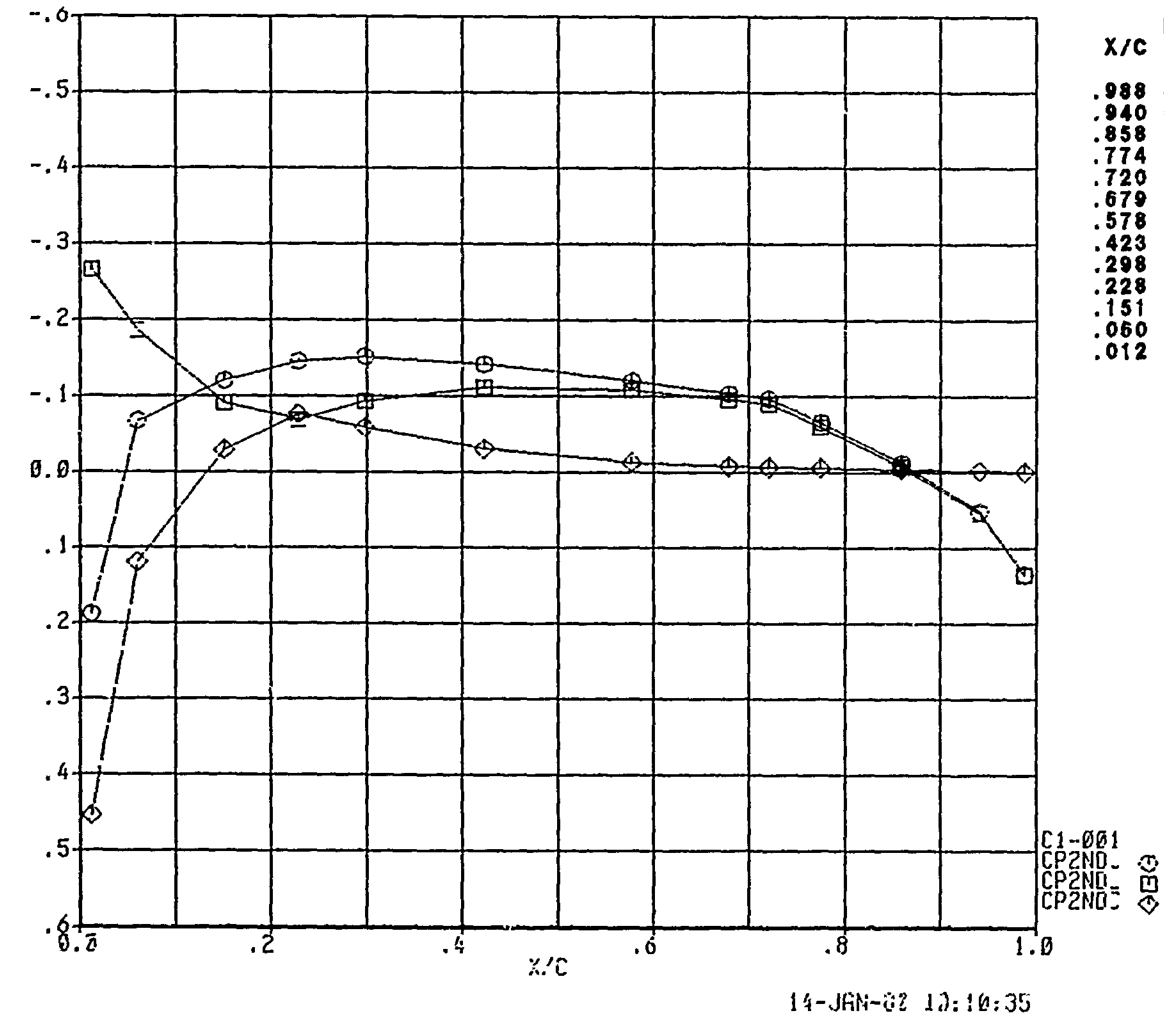


Figure 275, Configuration 2

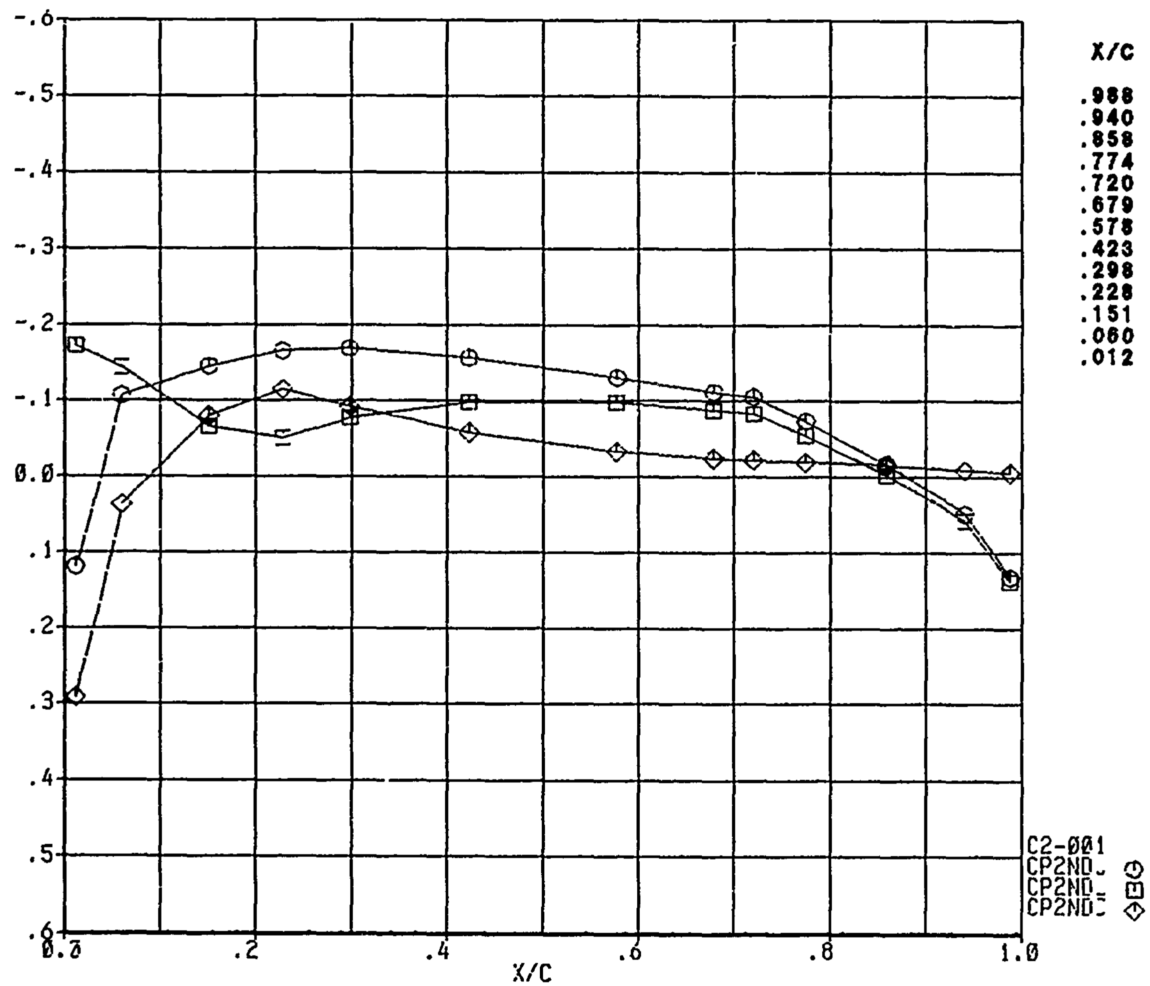
MACH NO. = 0.602 ANGLE OF ATTACK = 0.002
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1346 | 0.1355 | -.0010 |
| .940 | 0.0520 | 0.0542 | -.0022 |
| .858 | -.0114 | -.0073 | -.0040 |
| .774 | -.0658 | -.0599 | -.0059 |
| .720 | -.0972 | -.0901 | -.0071 |
| .679 | -.1037 | -.0955 | -.0081 |
| .578 | -.1203 | -.1074 | -.0129 |
| .423 | -.1423 | -.1115 | -.0309 |
| .298 | -.1518 | -.0931 | -.0588 |
| .228 | -.1460 | -.0691 | -.0769 |
| .151 | -.1202 | -.0911 | -.0291 |
| .060 | -.0672 | -.1864 | 0.1192 |
| .012 | 0.1873 | -.2656 | 0.4530 |

Figure 276, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.602 ANGLE OF ATTACK = 0.502
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1323 | 0.1376 | -.0054 |
| .940 | 0.0484 | 0.0576 | -.0092 |
| .858 | -.0166 | -.0022 | -.0144 |
| .774 | -.0726 | -.0533 | -.0193 |
| .720 | -.1048 | -.0826 | -.0222 |
| .679 | -.1118 | -.0874 | -.0244 |
| .578 | -.1305 | -.0975 | -.0329 |
| .423 | -.1559 | -.0982 | -.0578 |
| .298 | -.1686 | -.0767 | -.0919 |
| .228 | -.1651 | -.0504 | -.1147 |
| .151 | -.1450 | -.0658 | -.0792 |
| .060 | -.1065 | -.1433 | 0.0368 |
| .012 | 0.1187 | -.1726 | 0.2913 |

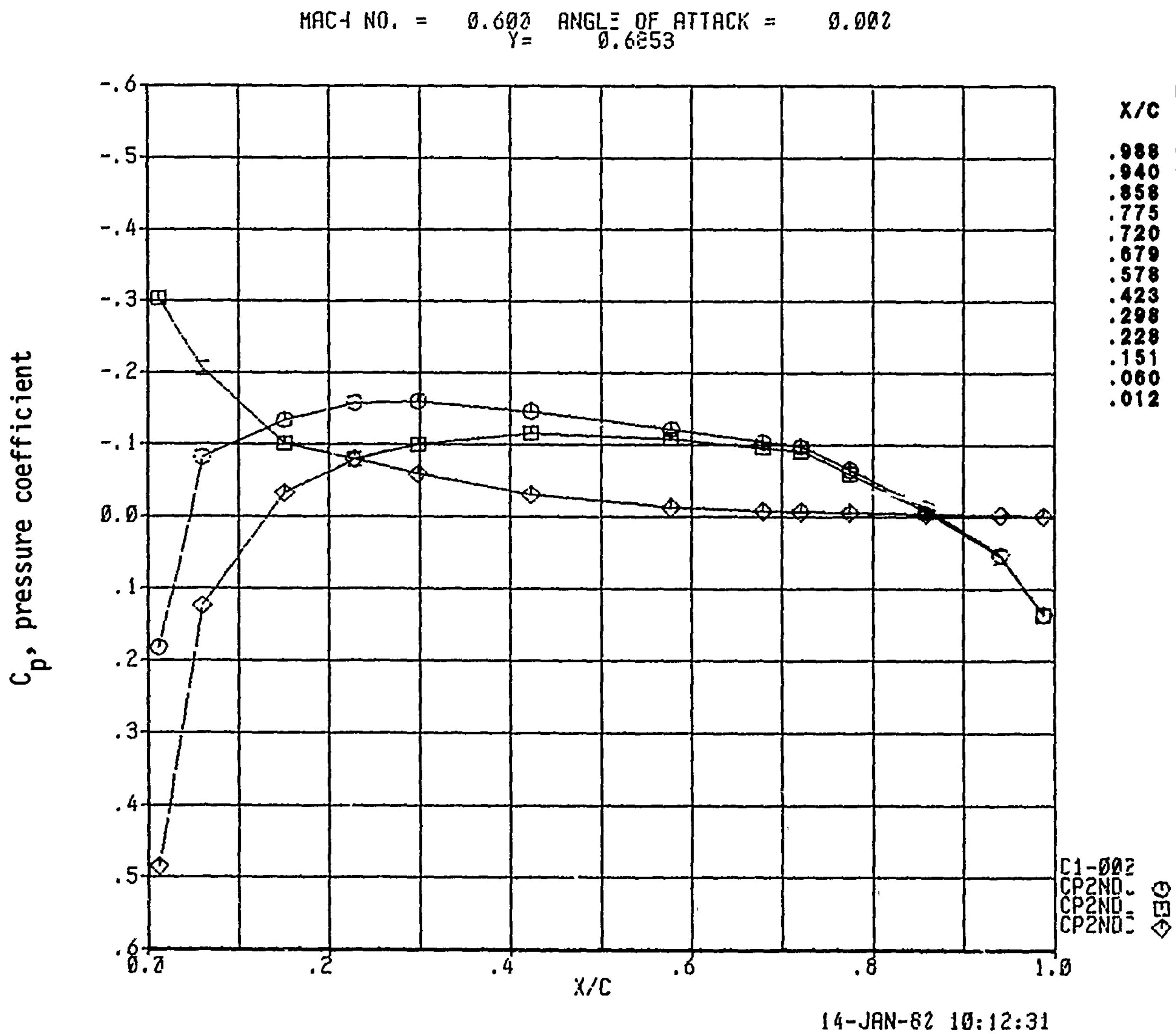
Figure 277, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.600 ANGLE OF ATTACK = -0.502
Y= 0.3524


| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1367 | 0.1333 | 0.0035 |
| .940 | 0.0554 | 0.0506 | 0.0048 |
| .858 | -.0063 | -.0126 | 0.0063 |
| .774 | -.0591 | -.0667 | 0.0075 |
| .720 | -.0897 | -.0977 | 0.0079 |
| .679 | -.0955 | -.1036 | 0.0081 |
| .578 | -.1104 | -.1176 | 0.0072 |
| .423 | -.1289 | -.1250 | -.0040 |
| .298 | -.1353 | -.1097 | -.0256 |
| .228 | -.1274 | -.0881 | -.0392 |
| .151 | -.0958 | -.1168 | 0.0210 |
| .060 | -.0287 | -.2303 | 0.2016 |
| .012 | 0.2516 | -.3630 | 0.6146 |

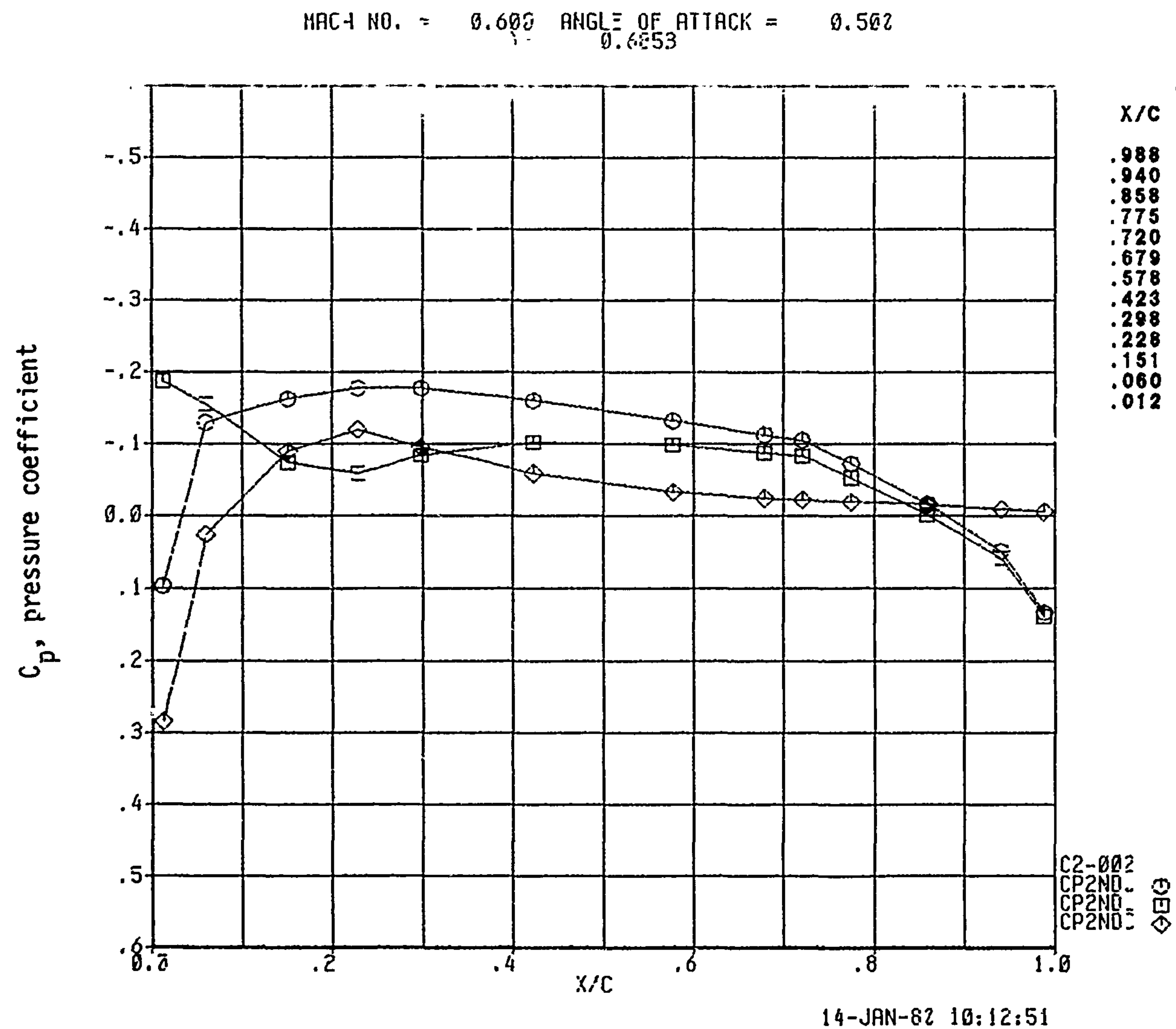
14-JAN-82 10:12:12

Figure 278, Chordwise Pressure Distribution, Steady, Configuration 2



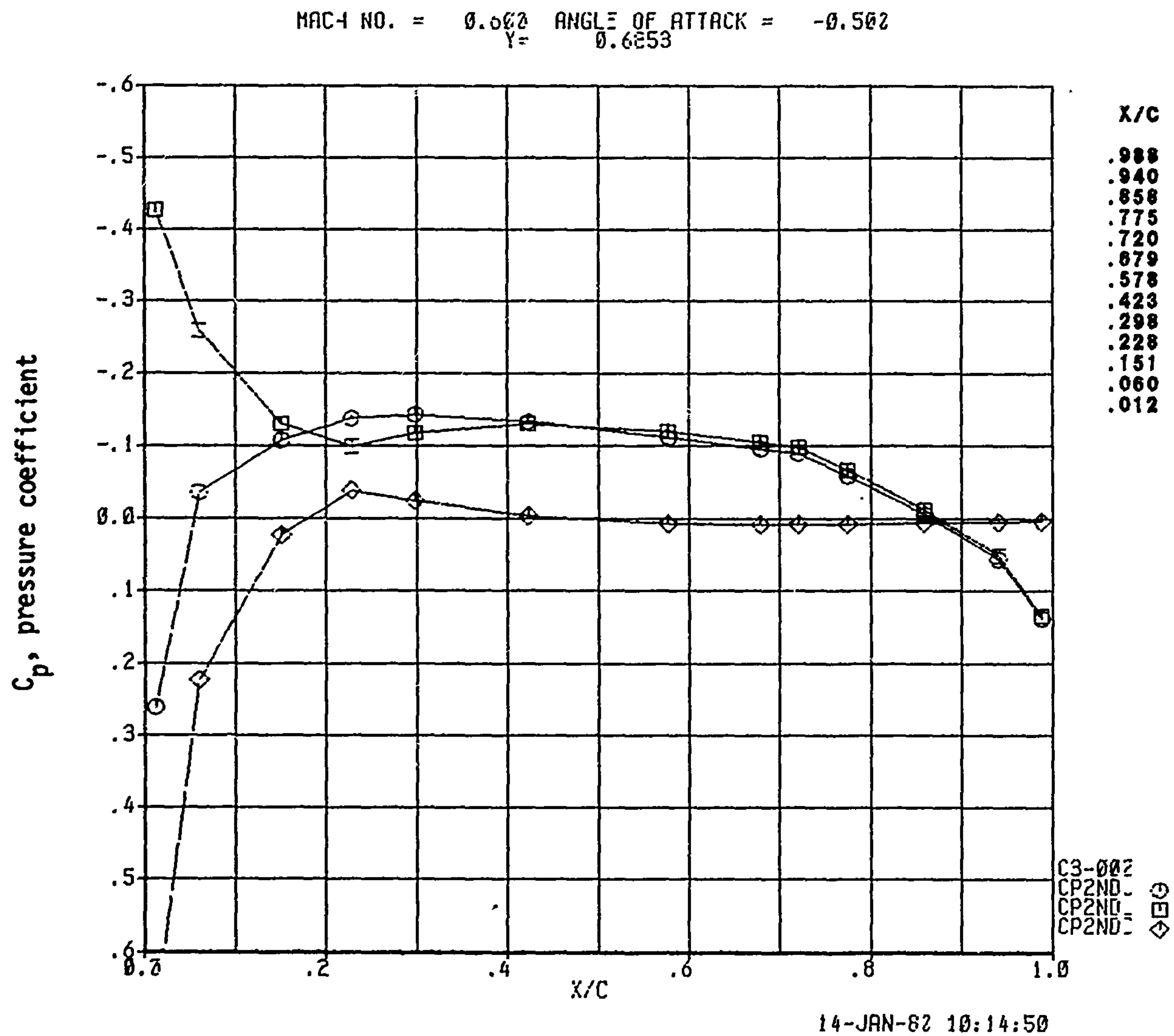

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1357 | 0.1367 | -.0010 |
| .940 | 0.0527 | 0.0550 | -.0023 |
| .858 | -.0109 | -.0068 | -.0041 |
| .775 | -.0654 | -.0595 | -.0059 |
| .720 | -.0974 | -.0902 | -.0072 |
| .679 | -.1042 | -.0960 | -.0081 |
| .578 | -.1216 | -.1088 | -.0128 |
| .423 | -.1465 | -.1155 | -.0309 |
| .298 | -.1602 | -.1004 | -.0598 |
| .228 | -.1575 | -.0786 | -.0789 |
| .151 | -.1345 | -.1016 | -.0329 |
| .060 | -.0819 | -.2061 | 0.1241 |
| .012 | 0.1817 | -.3033 | 0.4850 |

Figure 279, Chordwise Pressure Distribution, Steady, Configuration 2



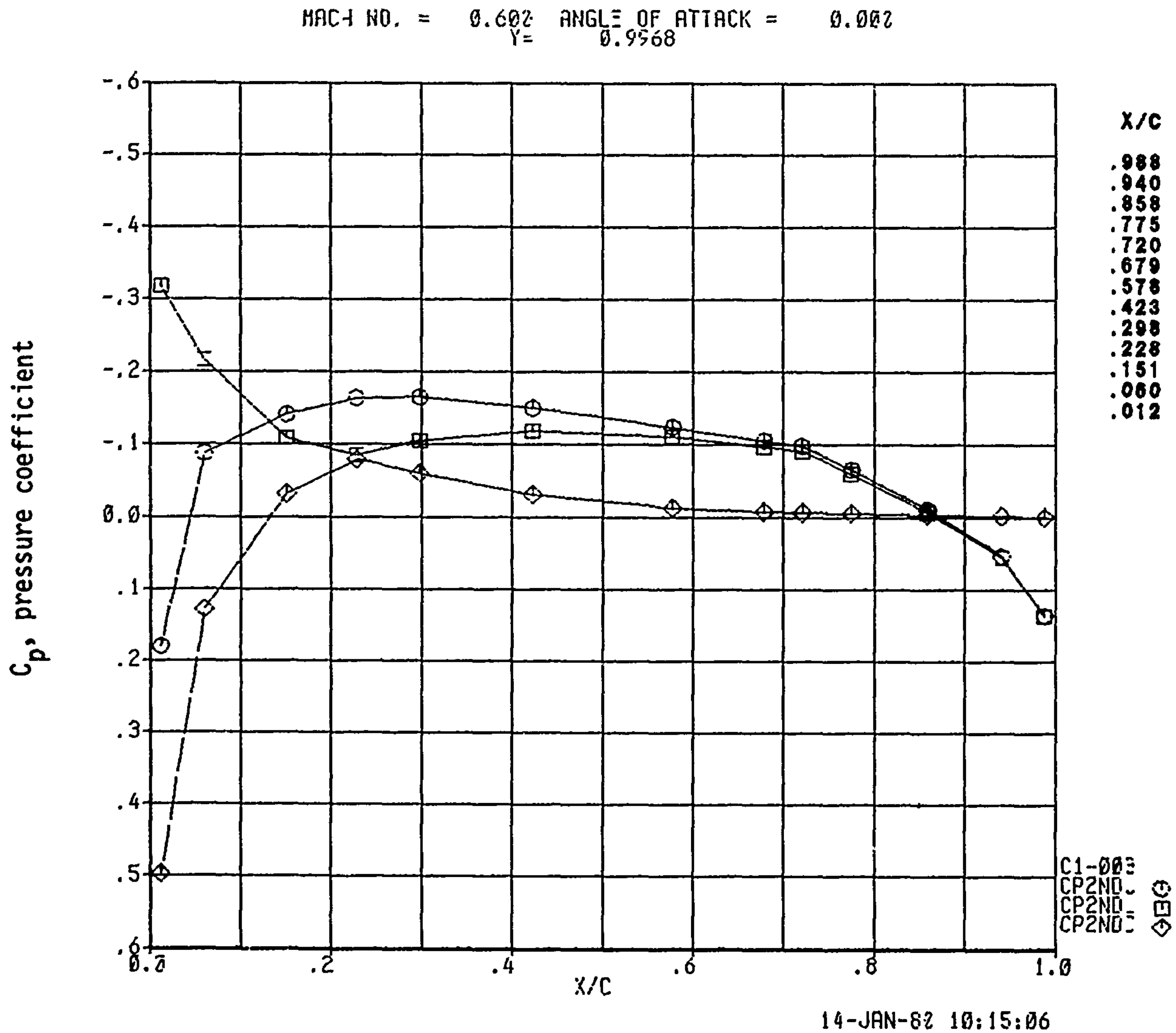

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1334 | 0.1388 | -.0055 |
| .940 | 0.0491 | 0.0584 | -.0093 |
| .858 | -.0162 | -.0017 | -.0144 |
| .775 | -.0722 | -.0529 | -.0193 |
| .720 | -.1050 | -.0828 | -.0222 |
| .679 | -.1124 | -.0880 | -.0243 |
| .578 | -.1319 | -.0988 | -.0330 |
| .423 | -.1604 | -.1019 | -.0586 |
| .298 | -.1779 | -.0832 | -.0948 |
| .228 | -.1780 | -.0584 | -.1197 |
| .151 | -.1625 | -.0733 | -.0892 |
| .060 | -.1291 | -.1548 | 0.0257 |
| .012 | 0.0964 | -.1872 | 0.2836 |

Figure 280, Chordwise Pressure Distribution, Steady, Configuration 2



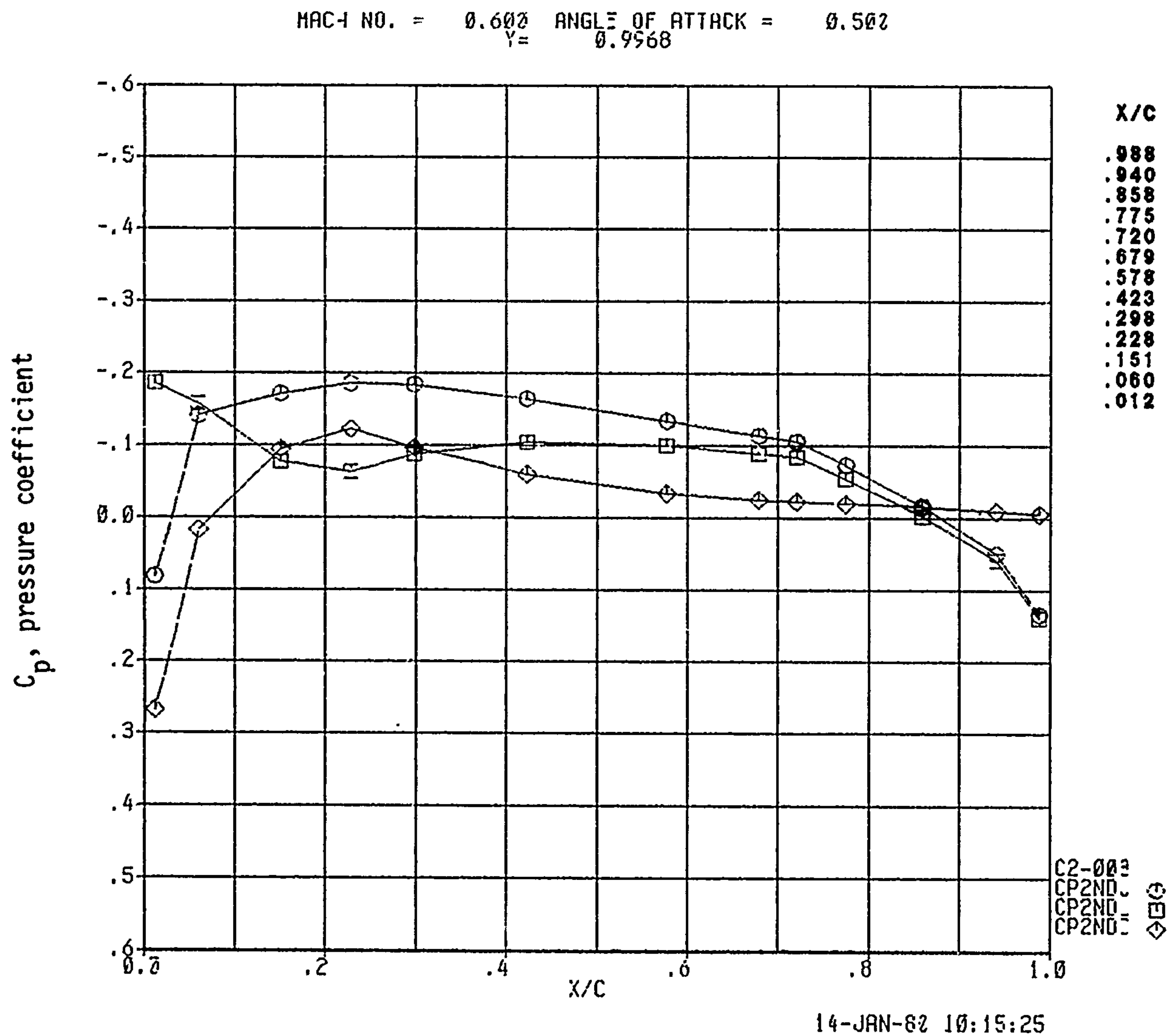

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1379 | 0.1344 | 0.0035 |
| .940 | 0.0561 | 0.0513 | 0.0048 |
| .858 | -.0058 | -.0121 | 0.0063 |
| .775 | -.0588 | -.0662 | 0.0075 |
| .720 | -.0899 | -.0978 | 0.0079 |
| .879 | -.0961 | -.1043 | 0.0082 |
| .578 | -.1116 | -.1190 | 0.0073 |
| .423 | -.1327 | -.1293 | -.0034 |
| .298 | -.1427 | -.1179 | -.0248 |
| .228 | -.1373 | -.0991 | -.0382 |
| .151 | -.1071 | -.1304 | 0.0233 |
| .060 | -.0361 | -.2587 | 0.2226 |
| .012 | 0.2605 | -.4260 | 0.6866 |

Figure 281, Chordwise Pressure Distribution, Steady, Configuration 2



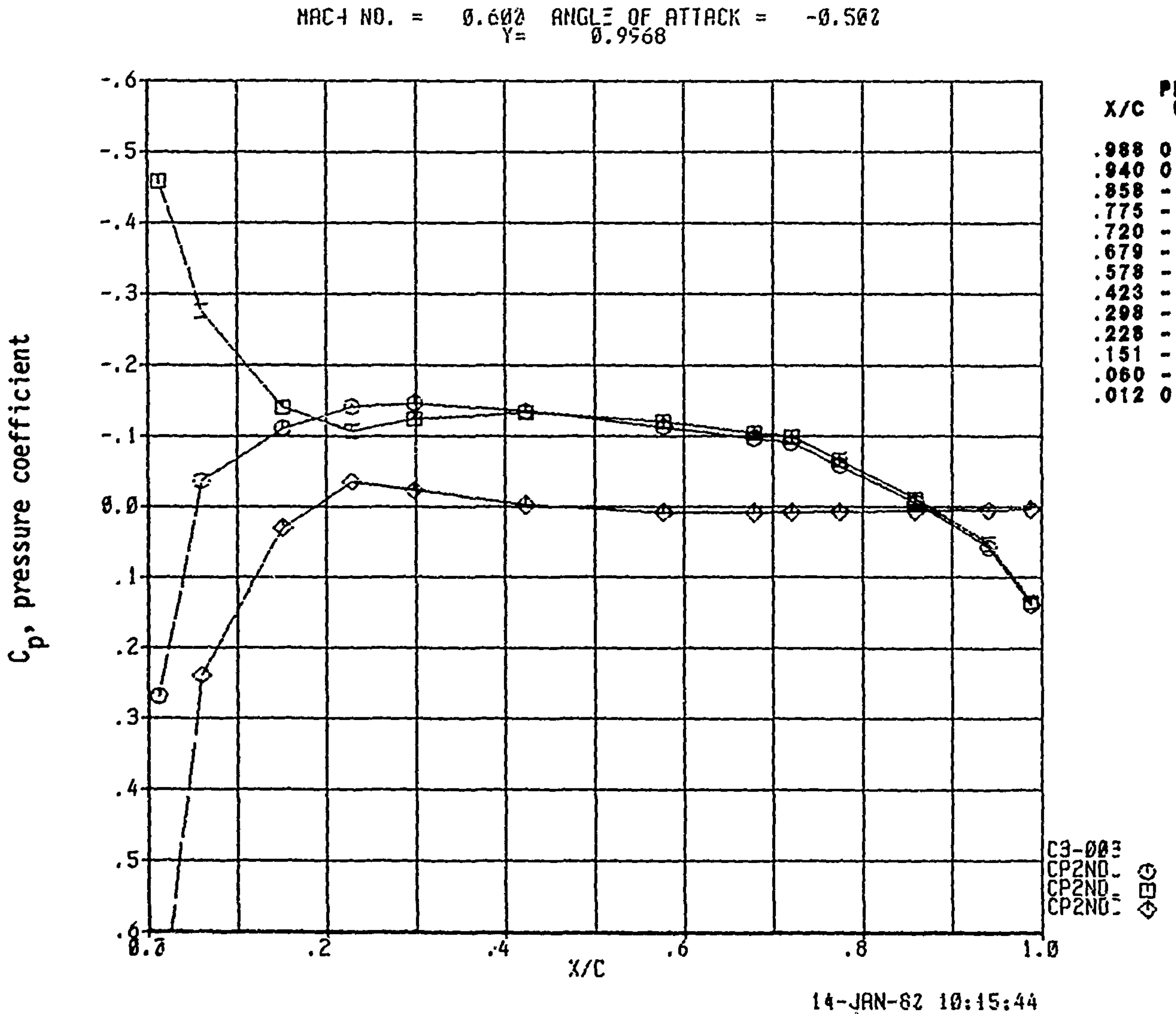

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1361 | 0.1371 | -.0010 |
| .940 | 0.0530 | 0.0553 | -.0023 |
| .858 | -.0109 | -.0068 | -.0041 |
| .775 | -.0659 | -.0599 | -.0060 |
| .720 | -.0982 | -.0910 | -.0073 |
| .679 | -.1053 | -.0970 | -.0083 |
| .578 | -.1234 | -.1104 | -.0130 |
| .423 | -.1498 | -.1187 | -.0312 |
| .298 | -.1653 | -.1053 | -.0600 |
| .228 | -.1634 | -.0846 | -.0788 |
| .151 | -.1409 | -.1084 | -.0325 |
| .060 | -.0875 | -.2156 | 0.1281 |
| .012 | 0.1791 | -.3179 | 0.4970 |

Figure 282, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1338 | 0.1393 | -.0056 |
| .940 | 0.0494 | 0.0587 | -.0093 |
| .858 | -.0162 | -.0018 | -.0144 |
| .775 | -.0726 | -.0533 | -.0193 |
| .720 | -.1058 | -.0836 | -.0223 |
| .679 | -.1135 | -.0889 | -.0246 |
| .578 | -.1338 | -.1003 | -.0334 |
| .423 | -.1644 | -.1046 | -.0599 |
| .298 | -.1842 | -.0870 | -.0972 |
| .228 | -.1857 | -.0629 | -.1228 |
| .151 | -.1718 | -.0773 | -.0945 |
| .060 | -.1408 | -.1578 | 0.0170 |
| .012 | 0.0813 | -.1858 | 0.2671 |

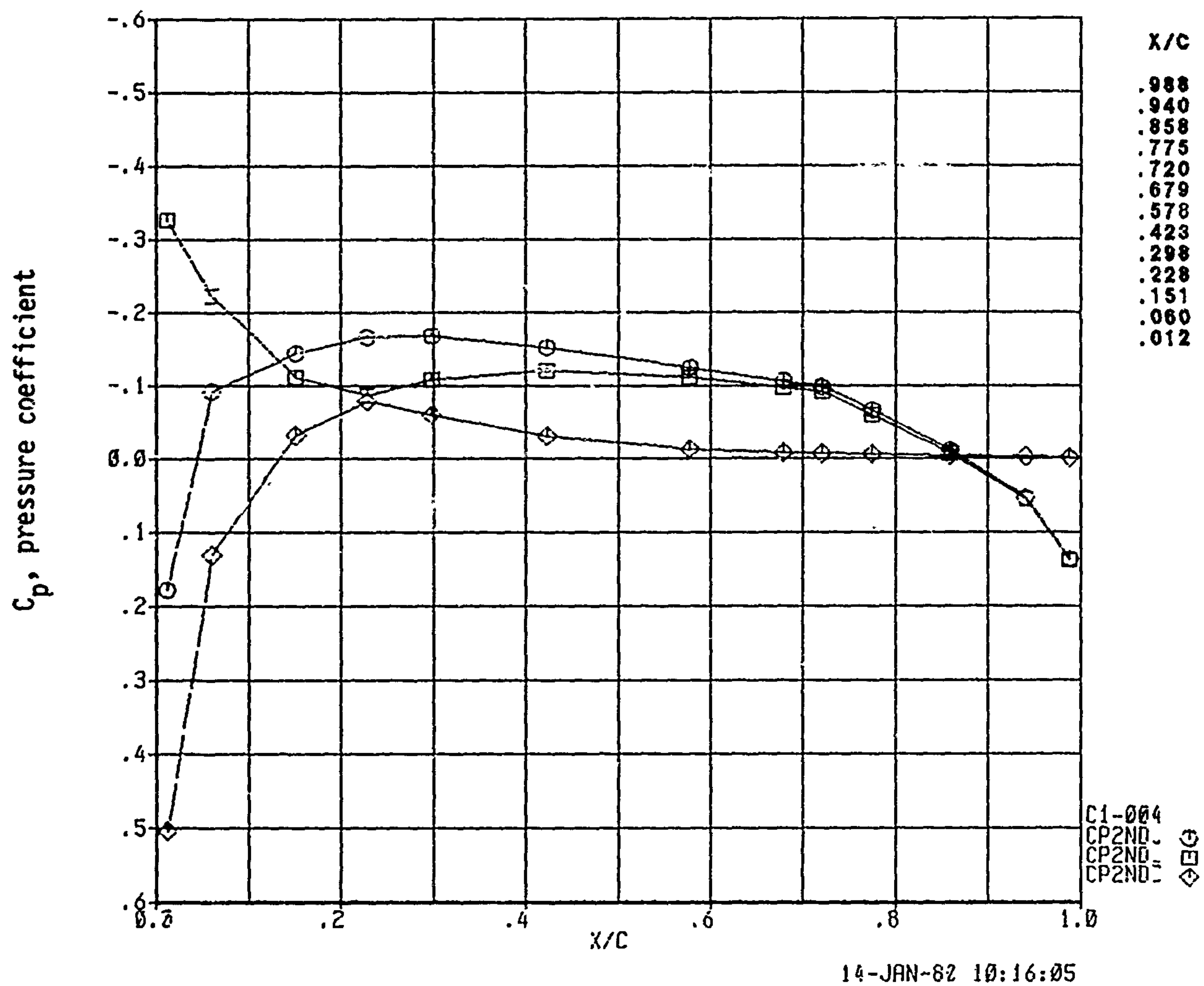
Figure 283, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1383 | 0.1348 | 0.0036 |
| .940 | 0.0564 | 0.0517 | 0.0048 |
| .858 | -.0059 | -.0121 | 0.0062 |
| .775 | -.0593 | -.0666 | 0.0073 |
| .720 | -.0907 | -.0986 | 0.0078 |
| .679 | -.0972 | -.1053 | 0.0081 |
| .578 | -.1133 | -.1208 | 0.0076 |
| .423 | -.1356 | -.1330 | -.0025 |
| .298 | -.1467 | -.1240 | -.0227 |
| .228 | -.1416 | -.1068 | -.0349 |
| .151 | -.1106 | -.1402 | 0.0296 |
| .060 | -.0358 | -.2750 | 0.2392 |
| .012 | 0.2685 | -.4582 | 0.7269 |

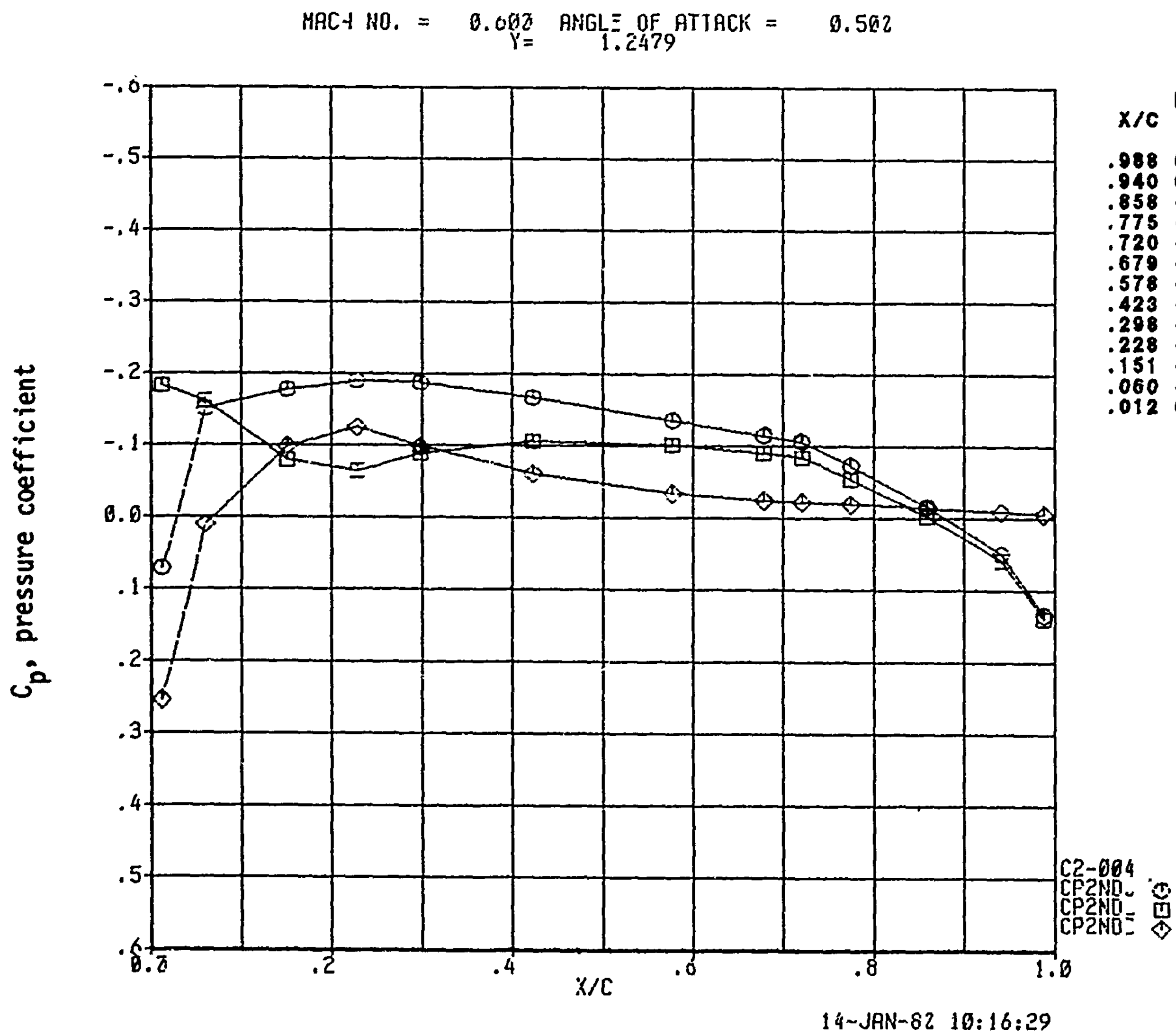
Figure 284, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.602 ANGLE OF ATTACK = 0.002
Y= 1.2479



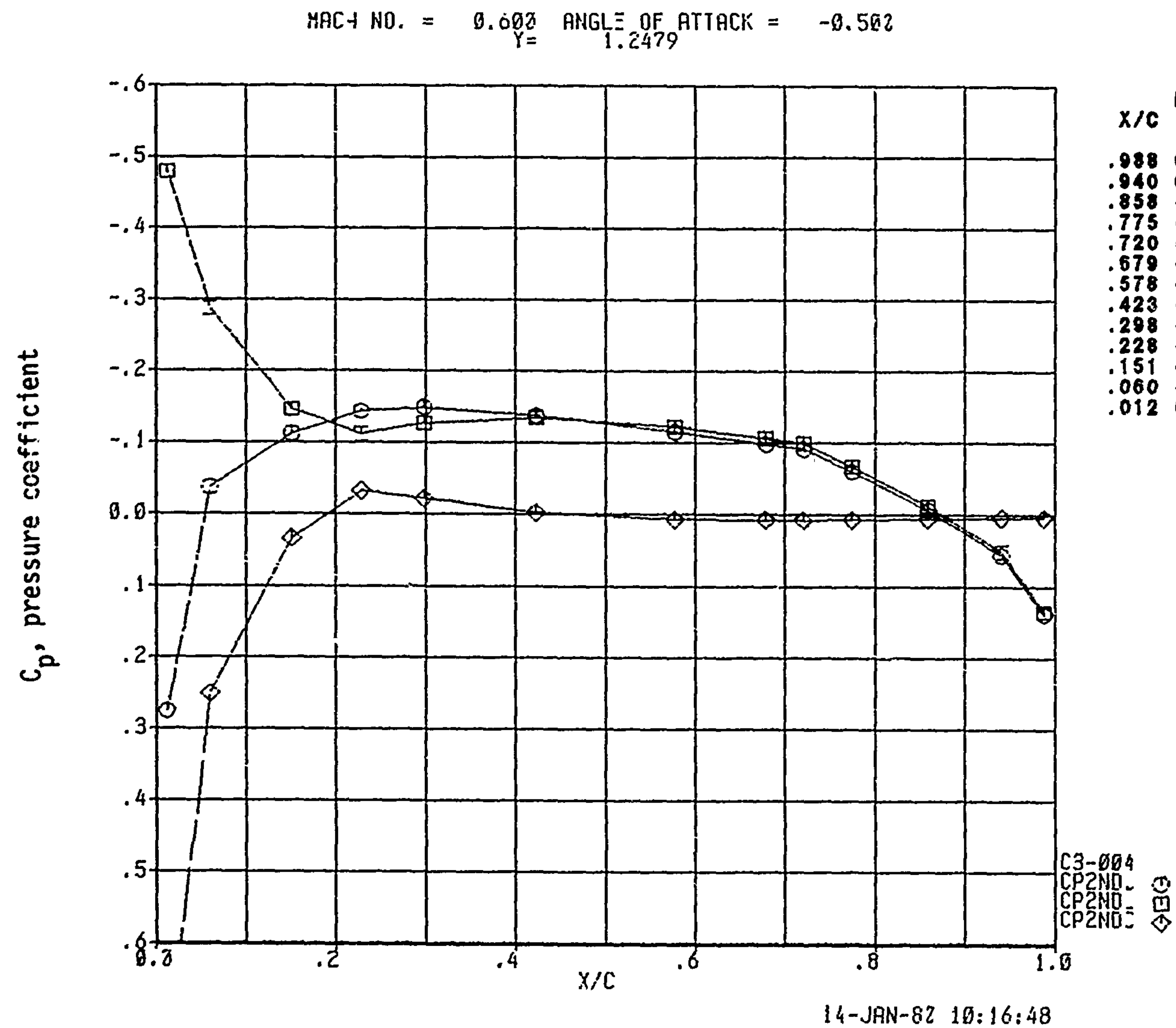

| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1362 | 0.1372 | -.0010 |
| .940 | 0.0530 | 0.0552 | -.0023 |
| .858 | -.0111 | -.0070 | -.0041 |
| .775 | -.0662 | -.0602 | -.0060 |
| .720 | -.0987 | -.0914 | -.0073 |
| .679 | -.1060 | -.0977 | -.0083 |
| .578 | -.1244 | -.1112 | -.0132 |
| .423 | -.1518 | -.1204 | -.0314 |
| .298 | -.1678 | -.1077 | -.0602 |
| .228 | -.1662 | -.0876 | -.0786 |
| .151 | -.1437 | -.1116 | -.0321 |
| .060 | -.0926 | -.2233 | 0.1306 |
| .012 | 0.1776 | -.3257 | 0.5033 |

Figure 285, Chordwise Pressure Distribution, Steady, Configuration 2



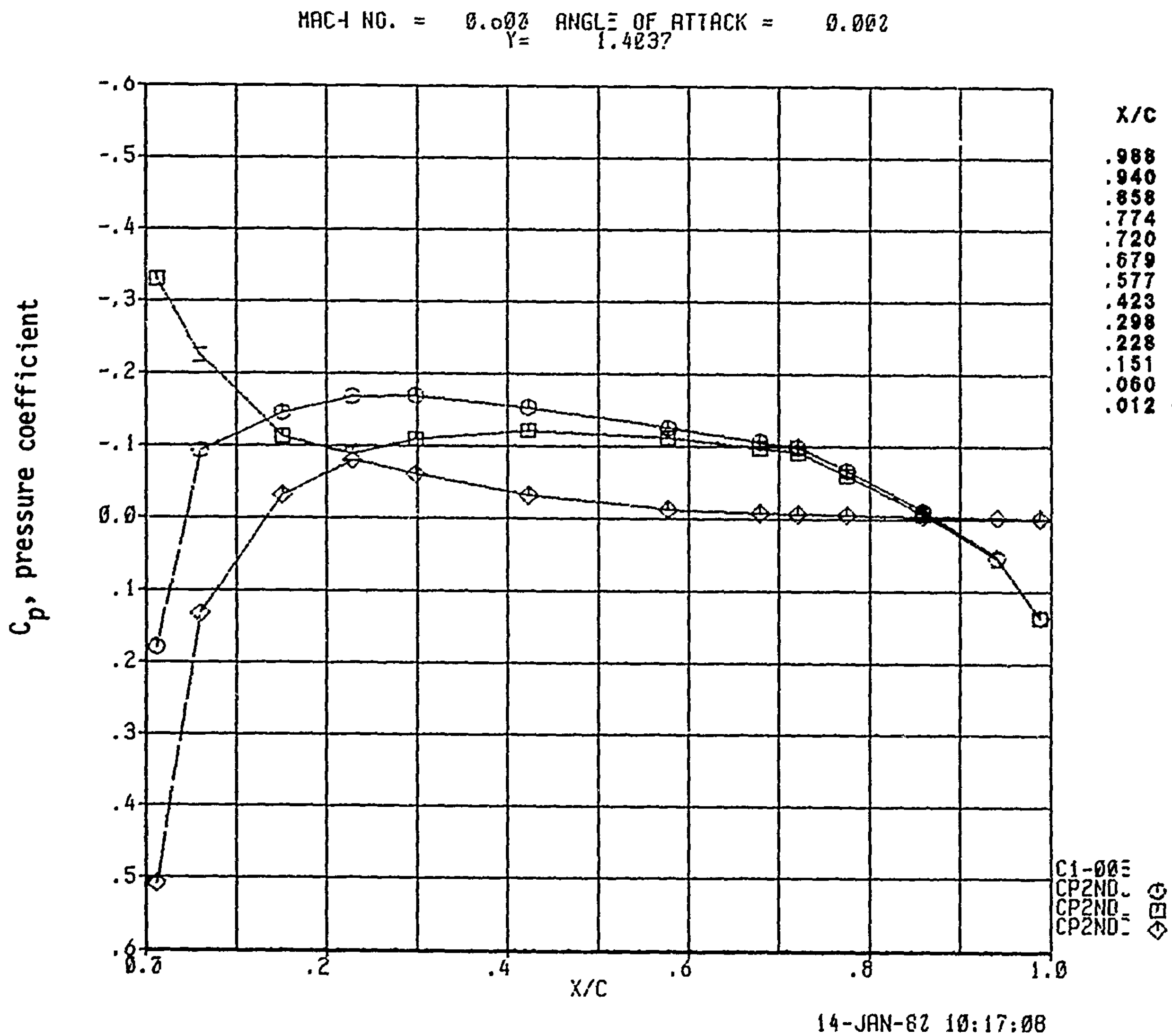

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1338 | 0.1394 | -.0056 |
| .940 | 0.0494 | 0.0586 | -.0092 |
| .858 | -.0162 | -.0020 | -.0142 |
| .775 | -.0728 | -.0538 | -.0191 |
| .720 | -.1062 | -.0842 | -.0221 |
| .679 | -.1141 | -.0397 | -.0244 |
| .578 | -.1347 | -.1012 | -.0335 |
| .423 | -.1665 | -.1061 | -.0605 |
| .298 | -.1875 | -.0887 | -.0987 |
| .228 | -.1896 | -.0648 | -.1248 |
| .151 | -.1766 | -.0786 | -.0981 |
| .060 | -.1503 | -.1610 | 0.0106 |
| .012 | 0.0711 | -.1824 | 0.2535 |

Figure 286, Chordwise Pressure Distribution, Steady, Configuration 2



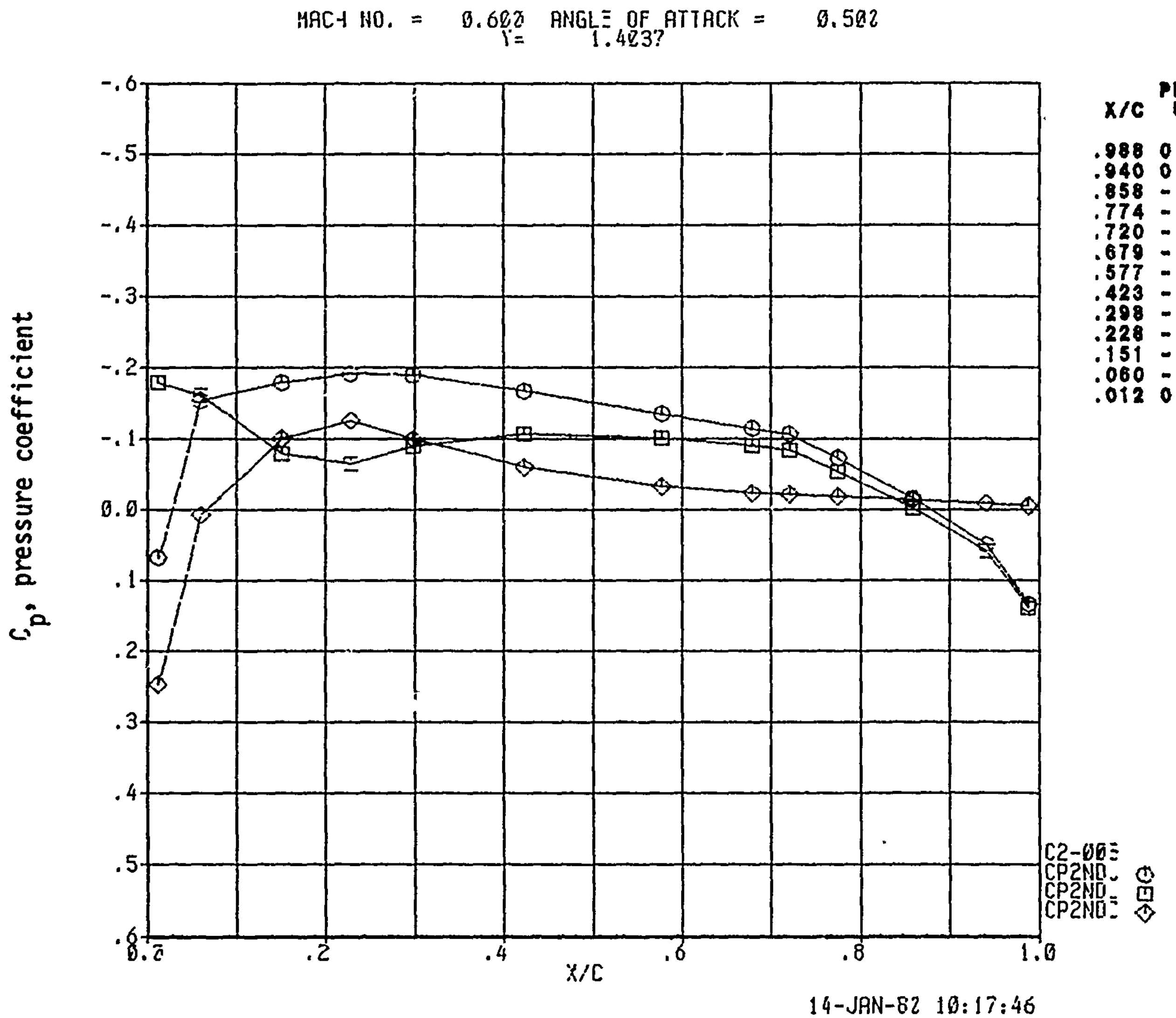

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1383 | 0.1348 | 0.0036 |
| .940 | 0.0563 | 0.0517 | 0.0046 |
| .858 | -.0061 | -.0121 | 0.0060 |
| .775 | -.0598 | -.0668 | 0.0070 |
| .720 | -.0914 | -.0989 | 0.0074 |
| .679 | -.0981 | -.1057 | 0.0077 |
| .578 | -.1144 | -.1216 | 0.0072 |
| .423 | -.1373 | -.1351 | -.0022 |
| .298 | -.1486 | -.1270 | -.0215 |
| .228 | -.1432 | -.1109 | -.0324 |
| .151 | -.1115 | -.1454 | 0.0340 |
| .060 | -.0368 | -.2875 | 0.2506 |
| .012 | 0.2745 | -.4786 | 0.7531 |

Figure 287, Chordwise Pressure Distribution, Steady, Configuration 2



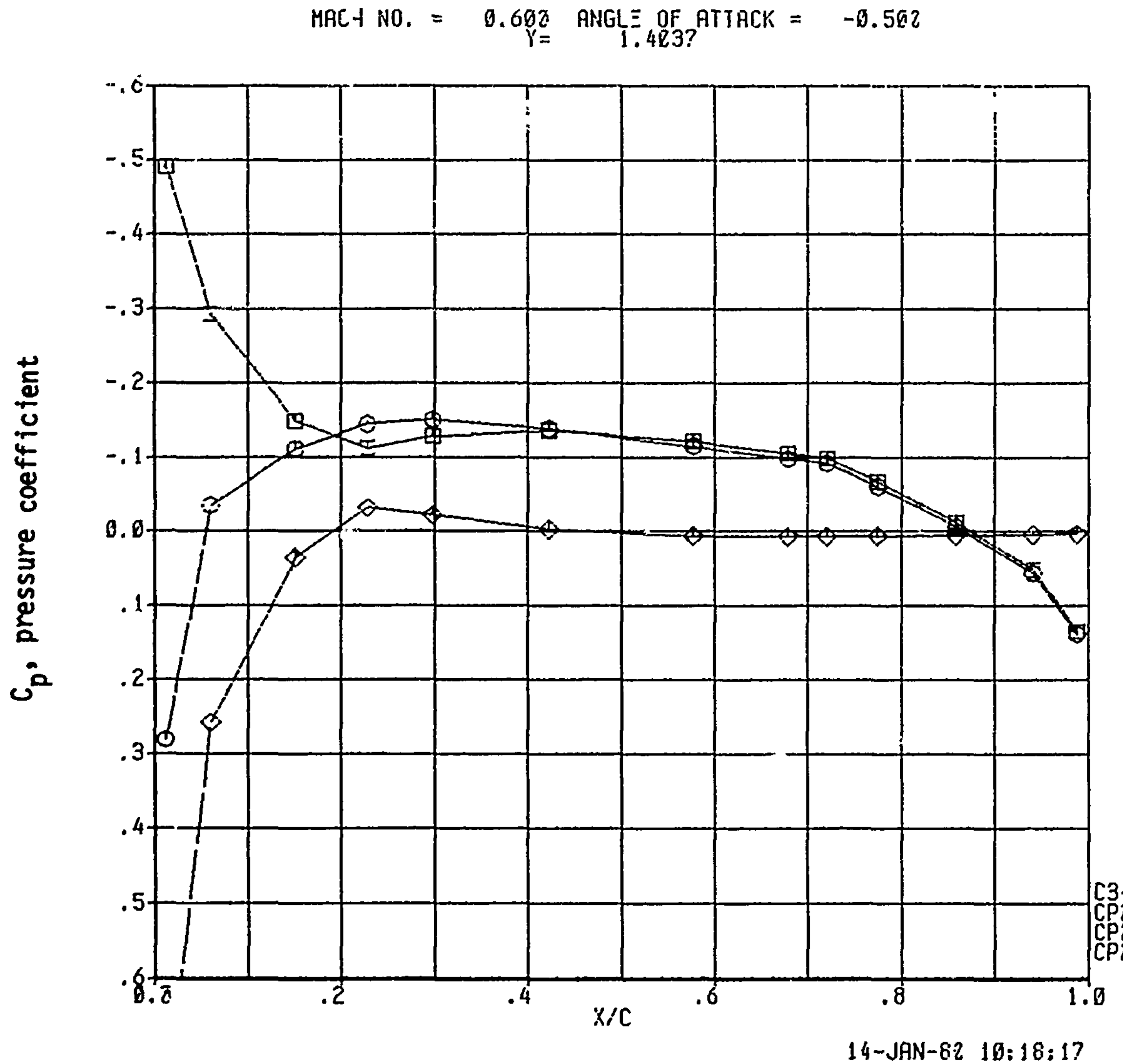

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1361 | 0.1370 | -.0009 |
| .940 | 0.0529 | 0.0551 | -.0022 |
| .858 | -.0110 | -.0070 | -.0040 |
| .774 | -.0662 | -.0603 | -.0059 |
| .720 | -.0988 | -.0916 | -.0072 |
| .679 | -.1061 | -.0978 | -.0083 |
| .577 | -.1247 | -.1115 | -.0132 |
| .423 | -.1528 | -.1212 | -.0316 |
| .298 | -.1694 | -.1089 | -.0606 |
| .228 | -.1679 | -.0890 | -.0789 |
| .151 | -.1450 | -.1130 | -.0320 |
| .060 | -.0931 | -.2255 | 0.1324 |
| .012 | 0.1790 | -.3293 | 0.5083 |

Figure 288, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1337 | 0.1392 | -.0055 |
| .940 | 0.0494 | 0.0584 | -.0090 |
| .858 | -.0161 | -.0022 | -.0139 |
| .774 | -.0726 | -.0541 | -.0186 |
| .720 | -.1060 | -.0845 | -.0215 |
| .679 | -.1140 | -.0902 | -.0237 |
| .577 | -.1347 | -.1017 | -.0330 |
| .423 | -.1674 | -.1069 | -.0605 |
| .298 | -.1892 | -.0898 | -.0994 |
| .228 | -.1916 | -.0658 | -.1259 |
| .151 | -.1790 | -.0790 | -.1000 |
| .060 | -.1534 | -.1606 | 0.0073 |
| .012 | 0.0671 | -.1793 | 0.2464 |

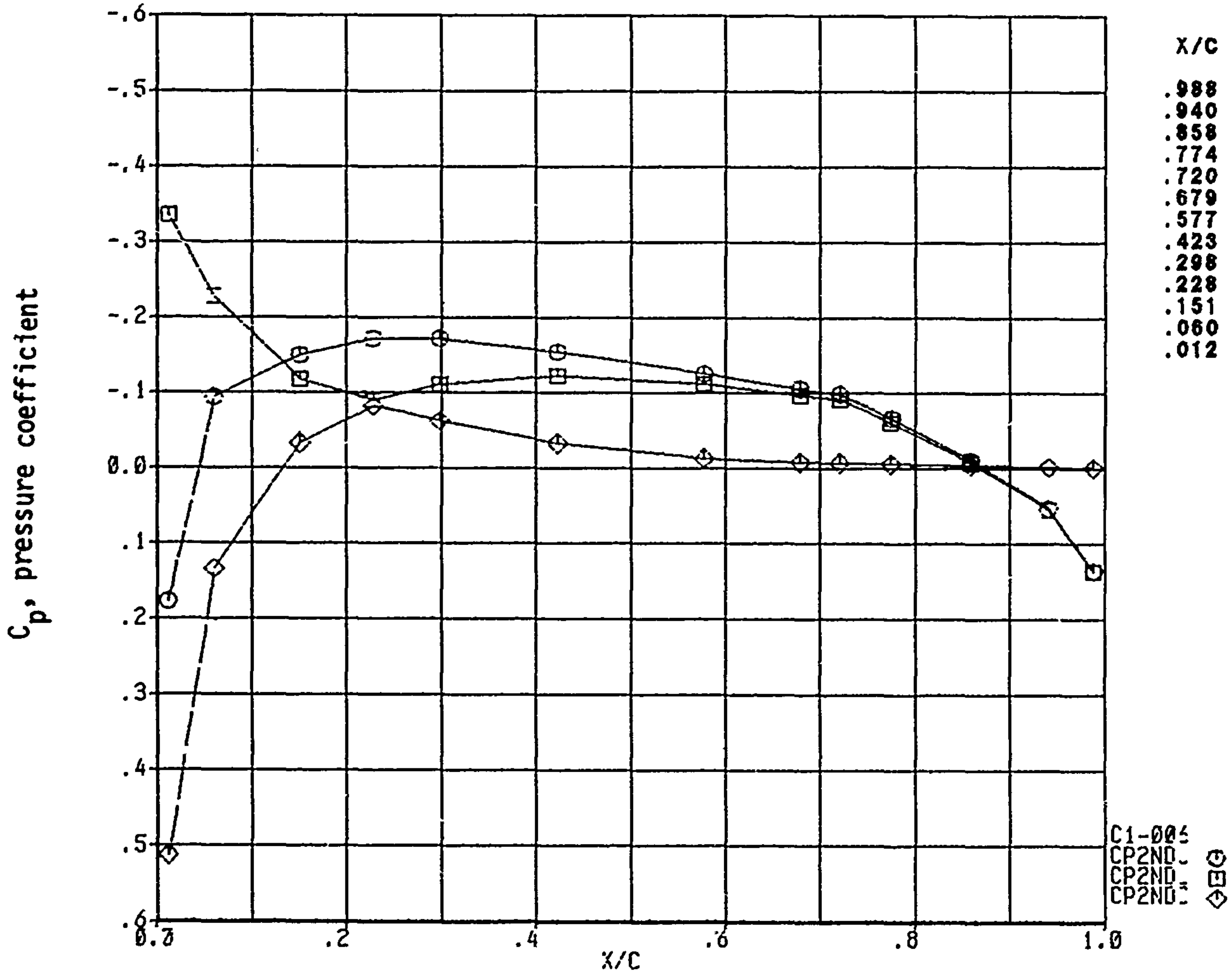
Figure 289, Chordwise Pressure Distribution, Steady, Configuration 2




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1382 | 0.1346 | 0.0036 |
| .940 | 0.0562 | 0.0516 | 0.0045 |
| .858 | -.0063 | -.0120 | 0.0057 |
| .774 | -.0601 | -.0667 | 0.0067 |
| .720 | -.0918 | -.0988 | 0.0069 |
| .679 | -.0985 | -.1057 | 0.0072 |
| .577 | -.1149 | -.1215 | 0.0065 |
| .423 | -.1384 | -.1357 | -.0027 |
| .298 | -.1500 | -.1284 | -.0217 |
| .228 | -.1445 | -.1127 | -.0319 |
| .151 | -.1118 | -.1478 | 0.0360 |
| .060 | -.0349 | -.2925 | 0.2575 |
| .012 | 0.2804 | -.4898 | 0.7702 |

Figure 290, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.602 ANGLE OF ATTACK = 0.002
Y= 1.5906

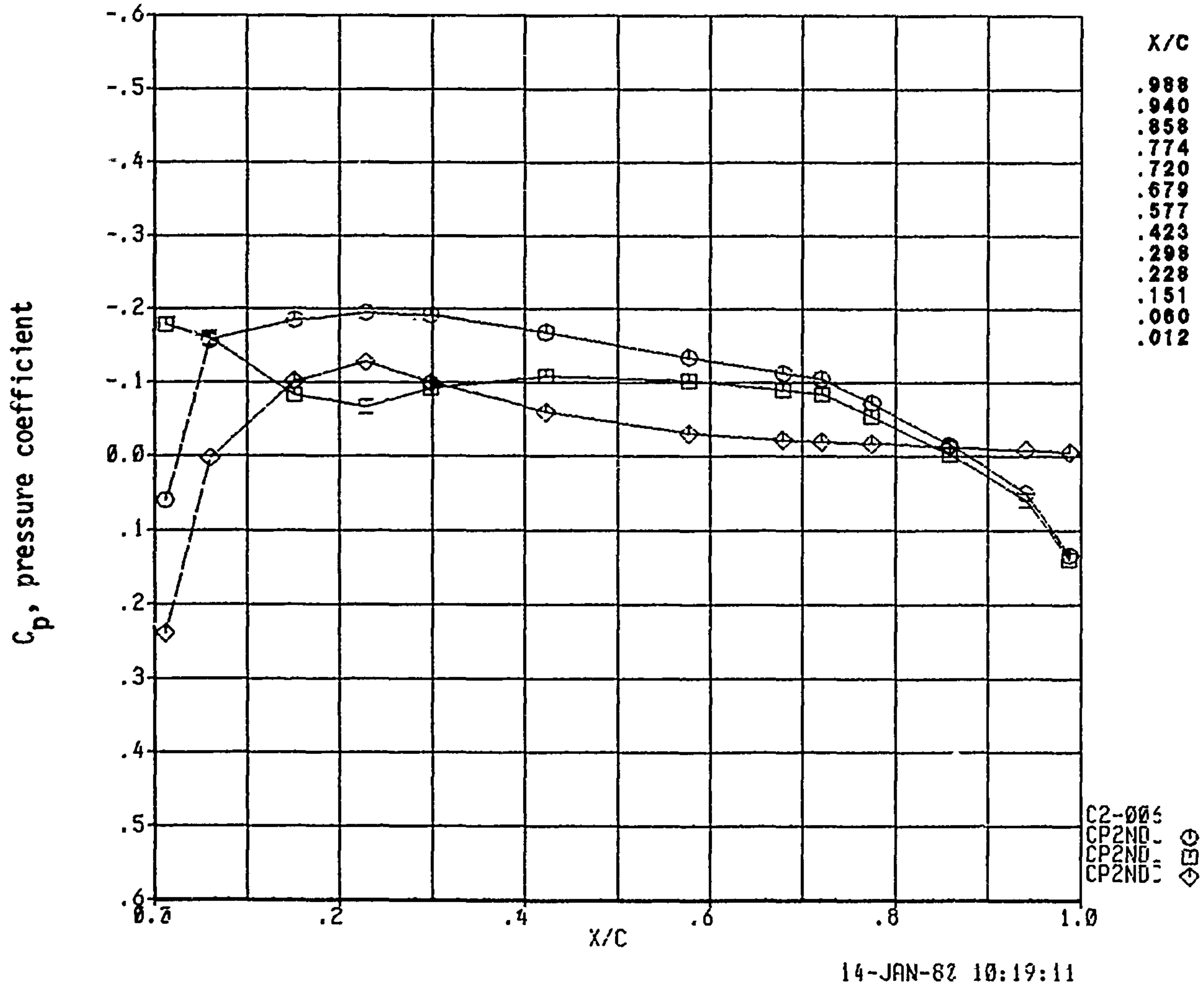



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1358 | 0.1367 | -.0009 |
| .940 | 0.0528 | 0.0549 | -.0021 |
| .858 | -.0108 | -.0070 | -.0038 |
| .774 | -.0656 | -.0600 | -.0057 |
| .720 | -.0978 | -.0909 | -.0069 |
| .679 | -.1049 | -.0970 | -.0079 |
| .577 | -.1245 | -.1115 | -.0129 |
| .423 | -.1541 | -.1218 | -.0322 |
| .298 | -.1717 | -.1102 | -.0616 |
| .228 | -.1710 | -.0900 | -.0811 |
| .151 | -.1496 | -.1174 | -.0322 |
| .060 | -.0940 | -.2276 | 0.1337 |
| .012 | 0.1770 | -.3353 | 0.5123 |

14-JAN-82 10:18:47

Figure 291, Chordwise Pressure Distribution, Steady, Configuration 2

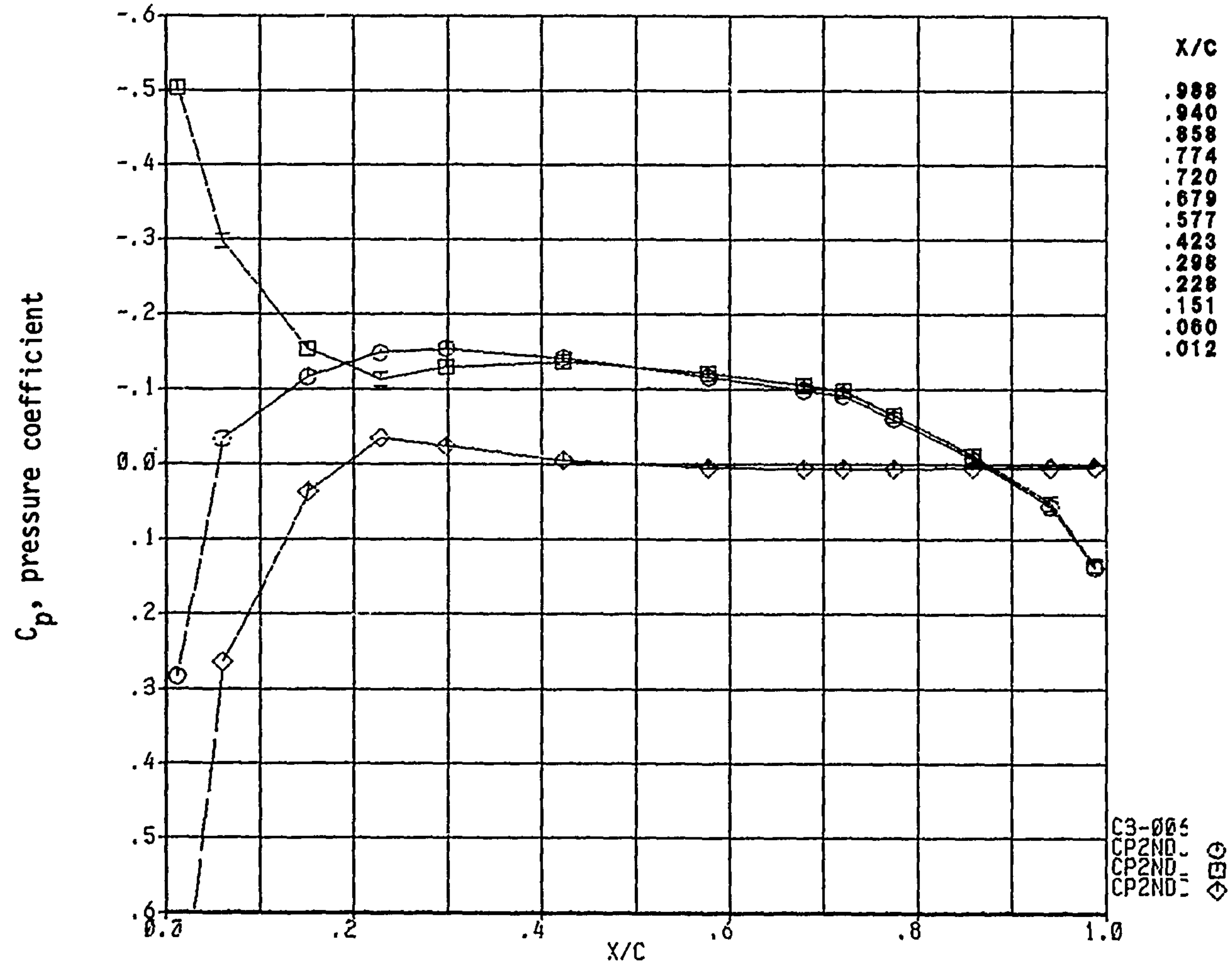
MACH NO. = 0.602 ANGLE OF ATTACK = 0.502
Y= 1.5506




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1334 | 0.1388 | -.0054 |
| .940 | 0.0495 | 0.0580 | -.0085 |
| .858 | -.0155 | -.0026 | -.0129 |
| .774 | -.0715 | -.0543 | -.0172 |
| .720 | -.1045 | -.0845 | -.0199 |
| .679 | -.1122 | -.0901 | -.0220 |
| .577 | -.1337 | -.1027 | -.0310 |
| .423 | -.1679 | -.1085 | -.0594 |
| .298 | -.1910 | -.0917 | -.0993 |
| .228 | -.1944 | -.0672 | -.1273 |
| .151 | -.1842 | -.0827 | -.1015 |
| .060 | -.1569 | -.1600 | 0.0030 |
| .012 | 0.0595 | -.1784 | 0.2379 |

Figure 292, Chordwise Pressure Distribution, Steady, Configuration 2

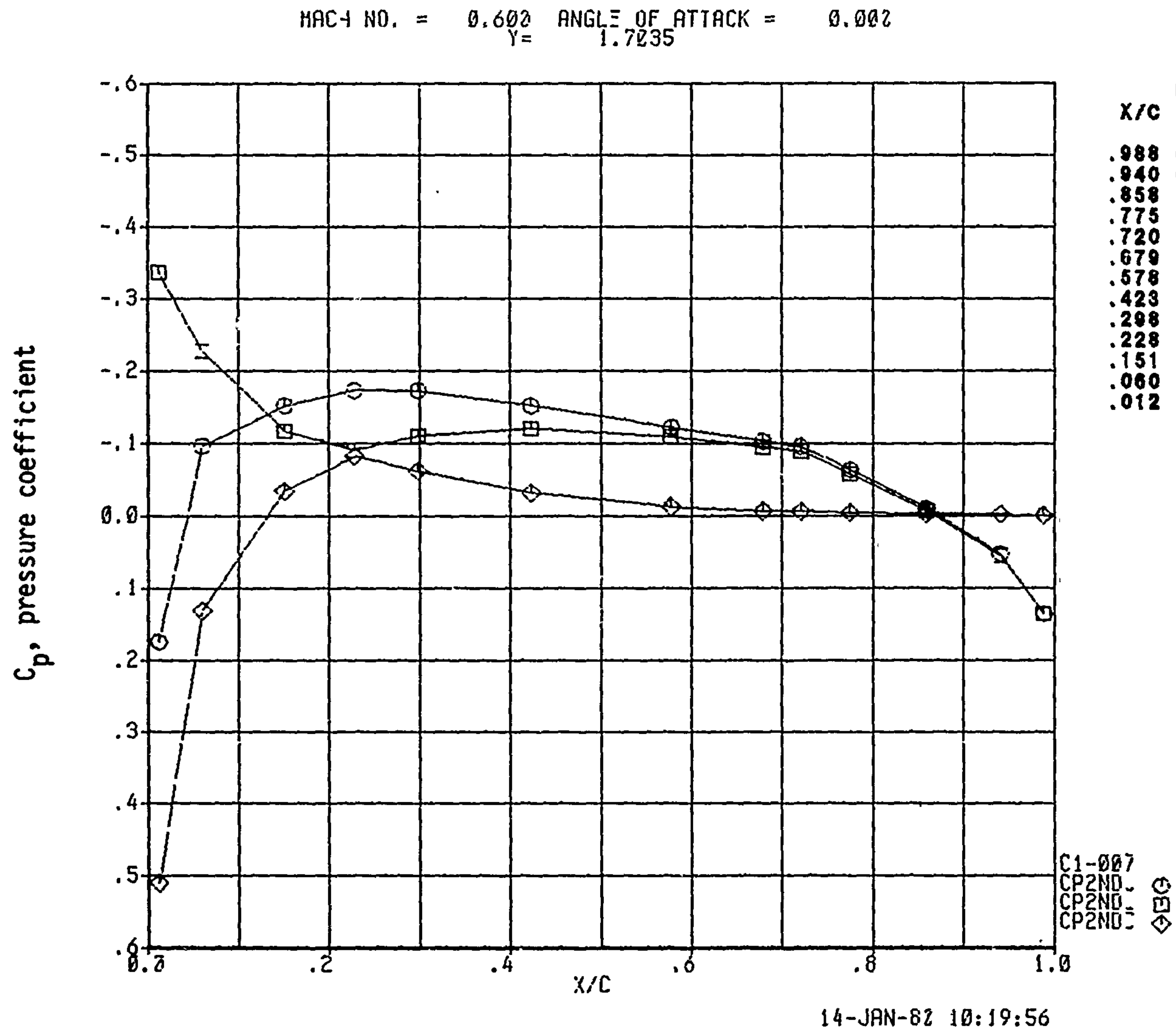
MACH NO. = 0.602 ANGLE OF ATTACK = -0.502
Y= 1.5506




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1379 | 0.1342 | 0.0036 |
| .940 | 0.0559 | 0.0515 | 0.0044 |
| .858 | -.0064 | -.0117 | 0.0053 |
| .774 | -.0600 | -.0659 | 0.0059 |
| .720 | -.0915 | -.0975 | 0.0060 |
| .679 | -.0981 | -.1042 | 0.0061 |
| .577 | -.1156 | -.1207 | 0.0050 |
| .423 | -.1406 | -.1355 | -.0049 |
| .298 | -.1529 | -.1290 | -.0239 |
| .228 | -.1480 | -.1133 | -.0347 |
| .151 | -.1158 | -.1529 | 0.0371 |
| .060 | -.0333 | -.2976 | 0.2643 |
| .012 | 0.2830 | -.5037 | 0.7867 |

14-JAN-82 10:19:34

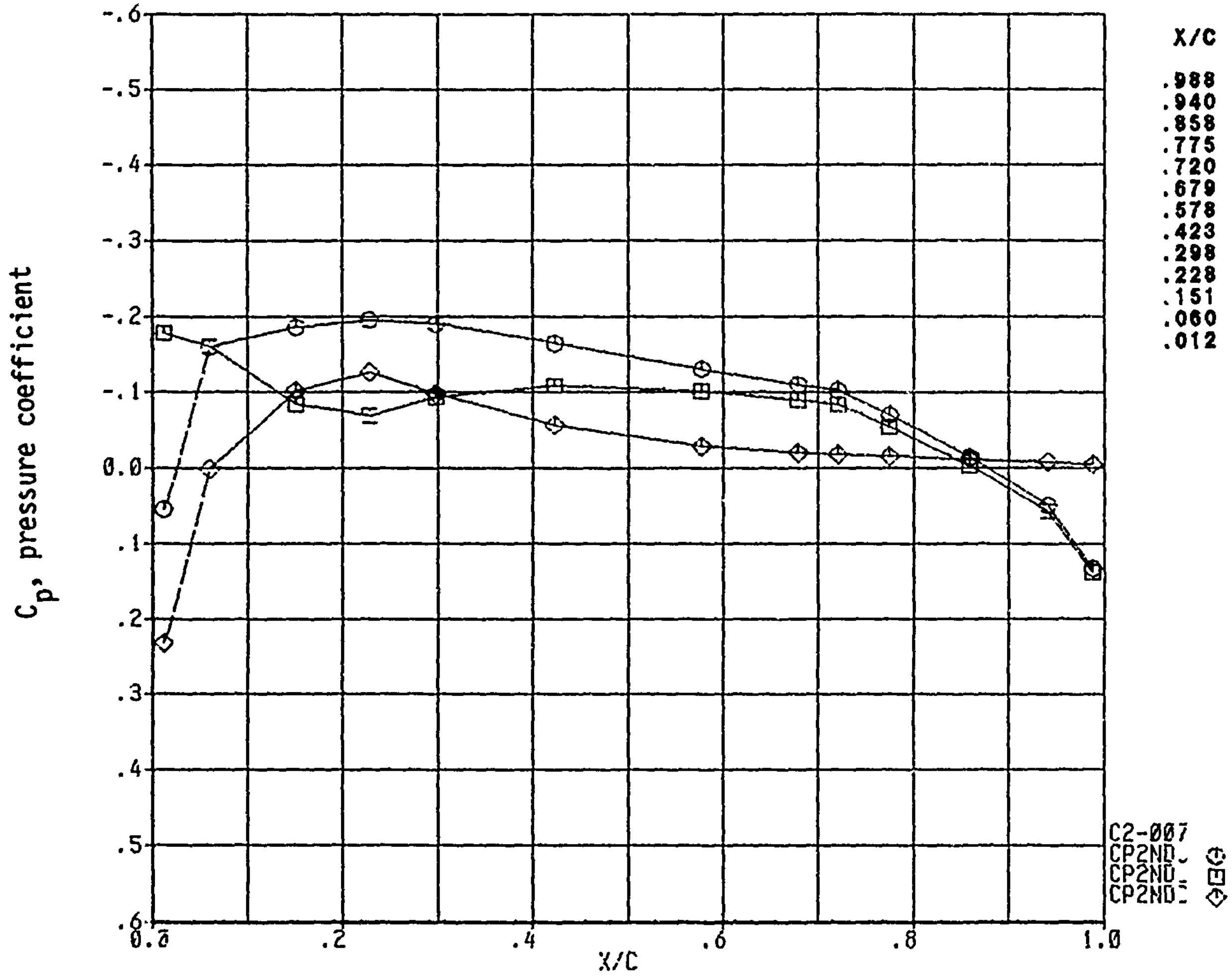
Figure 293, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1352 | 0.1360 | -.0007 |
| .940 | 0.0525 | 0.0544 | -.0018 |
| .858 | -.0103 | -.0069 | -.0034 |
| .775 | -.0641 | -.0591 | -.0051 |
| .720 | -.0960 | -.0896 | -.0064 |
| .679 | -.1028 | -.0955 | -.0073 |
| .578 | -.1219 | -.1095 | -.0124 |
| .423 | -.1525 | -.1204 | -.0320 |
| .298 | -.1727 | -.1100 | -.0626 |
| .228 | -.1731 | -.0907 | -.0824 |
| .151 | -.1521 | -.1178 | -.0343 |
| .060 | -.0967 | -.2280 | 0.1314 |
| .012 | 0.1736 | -.3364 | 0.5101 |

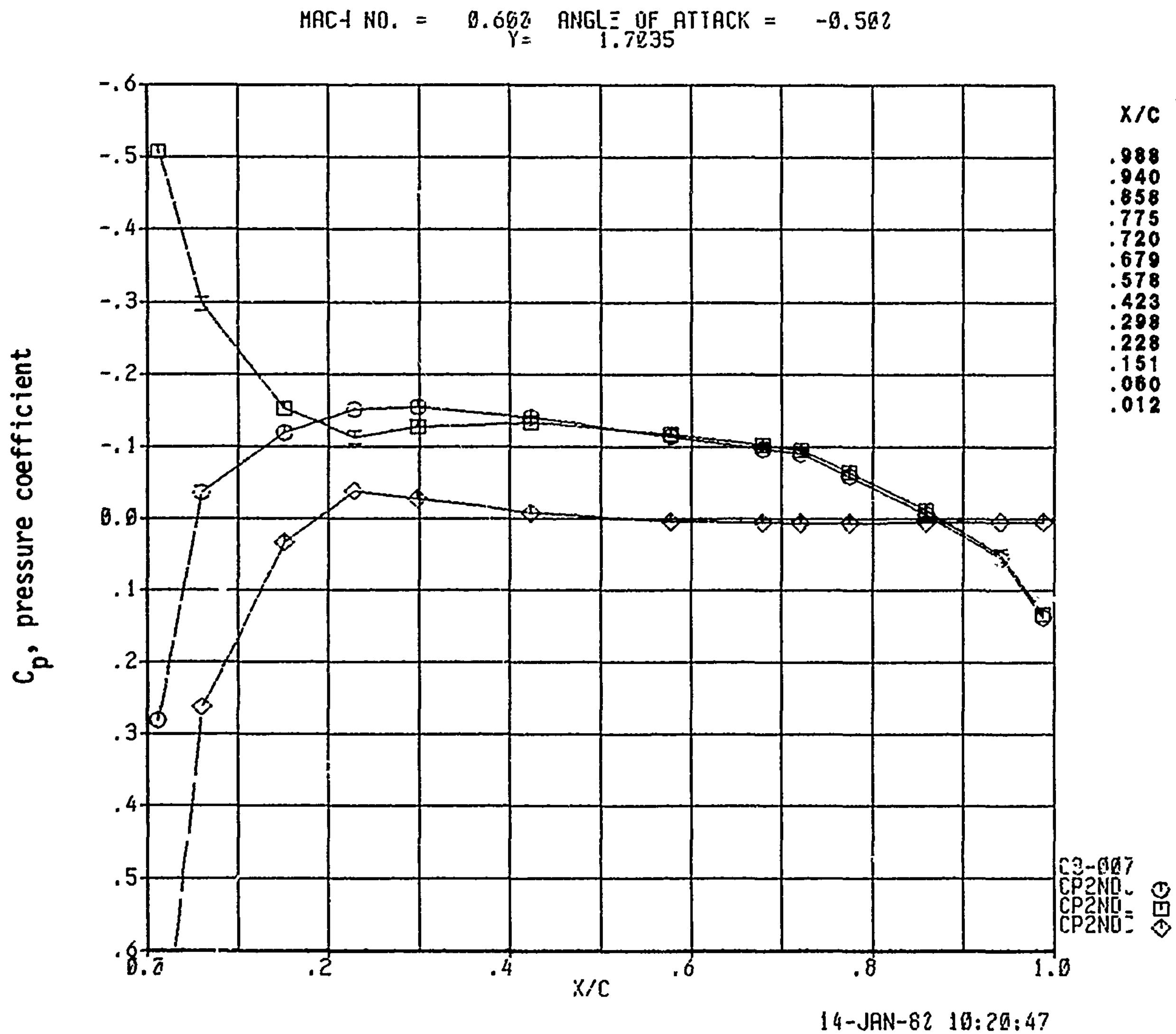
Figure 294, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.600 ANGLE OF ATTACK = 0.502
Y= 1.7235




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1328 | 0.1381 | -.0053 |
| .940 | 0.0493 | 0.0574 | -.0081 |
| .858 | -.0146 | -.0028 | -.0119 |
| .775 | -.0696 | -.0539 | -.0157 |
| .720 | -.1020 | -.0838 | -.0182 |
| .679 | -.1093 | -.0893 | -.0200 |
| .578 | -.1301 | -.1017 | -.0284 |
| .423 | -.1649 | -.1084 | -.0565 |
| .298 | -.1904 | -.0930 | -.0974 |
| .228 | -.1954 | -.0691 | -.1263 |
| .151 | -.1857 | -.0842 | -.1016 |
| .060 | -.1596 | -.1604 | 0.0008 |
| .012 | 0.0346 | -.1778 | 0.2324 |

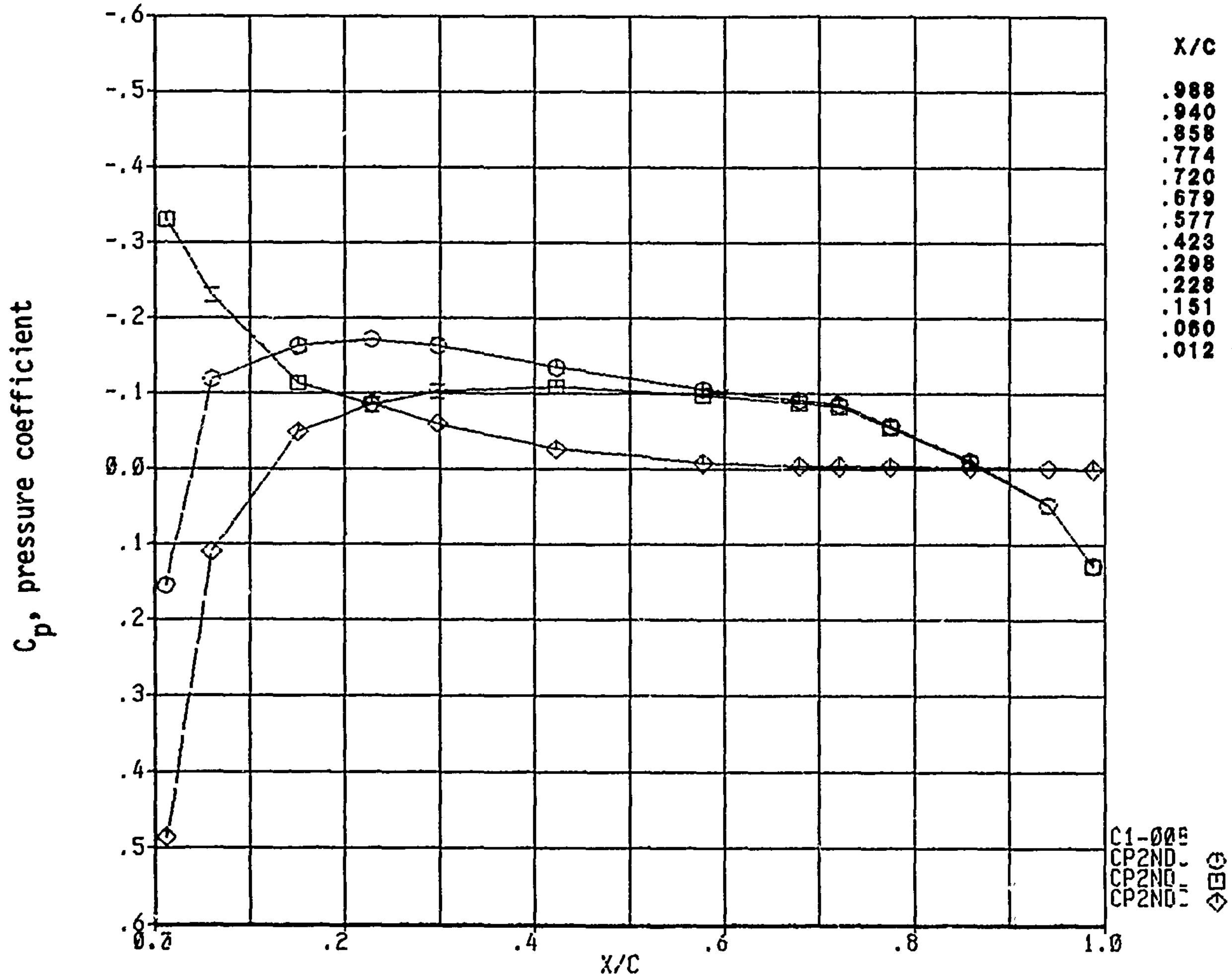
Figure 295, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1372 | 0.1335 | 0.0038 |
| .940 | 0.0555 | 0.0511 | 0.0043 |
| .858 | -.0063 | -.0114 | 0.0050 |
| .775 | -.0591 | -.0646 | 0.0055 |
| .720 | -.0903 | -.0957 | 0.0054 |
| .679 | -.0967 | -.1020 | 0.0053 |
| .578 | -.1141 | -.1178 | 0.0037 |
| .423 | -.1404 | -.1327 | -.0077 |
| .298 | -.1553 | -.1274 | -.0279 |
| .228 | -.1514 | -.1129 | -.0385 |
| .151 | -.1193 | -.1523 | 0.0330 |
| .060 | -.0361 | -.2980 | 0.2620 |
| .012 | 0.2809 | -.5070 | 0.7879 |

Figure 296, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.600 ANGLE OF ATTACK = 0.002
Y= 1.9221

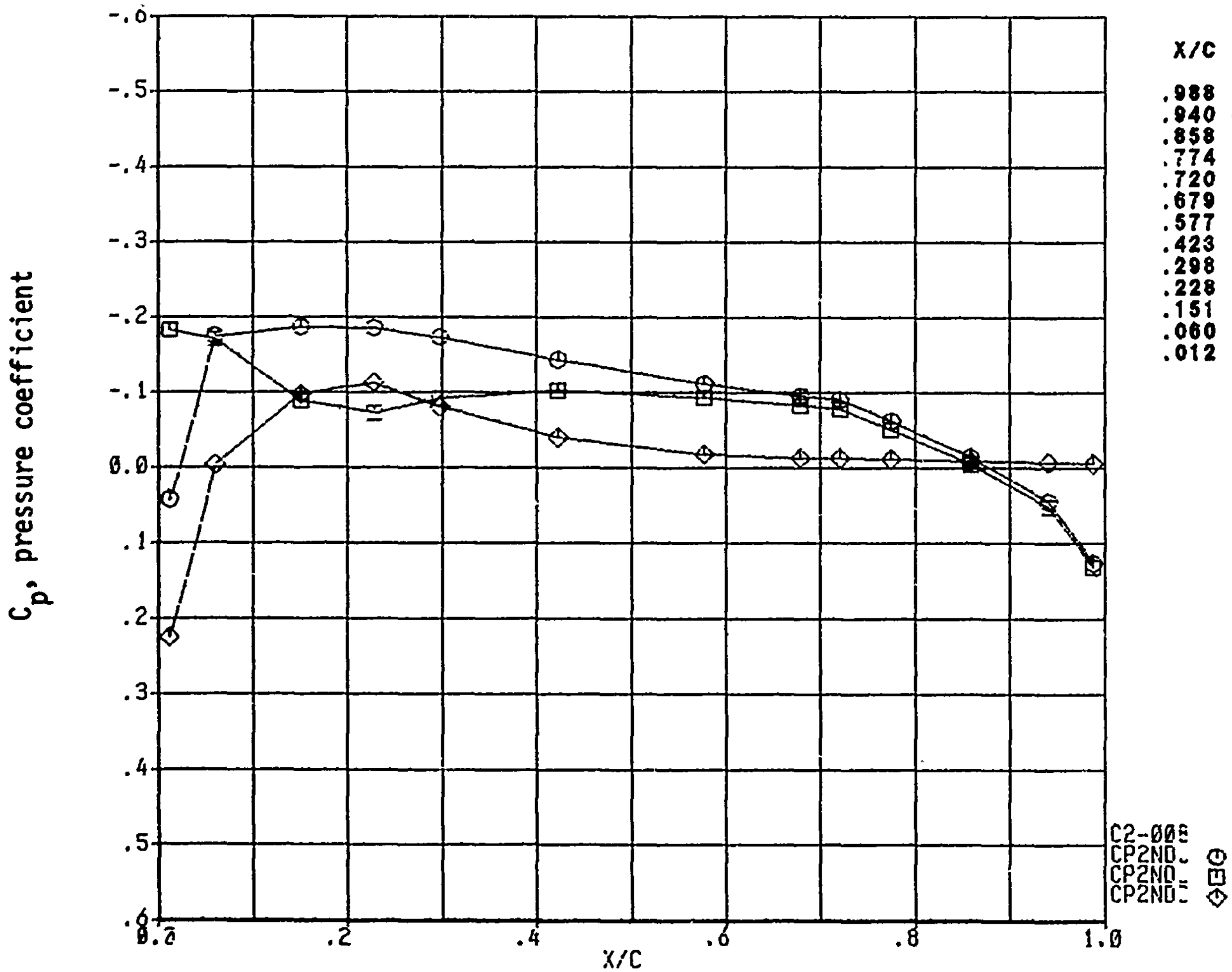



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1285 | 0.1288 | -.0002 |
| .940 | 0.0476 | 0.0485 | -.0009 |
| .858 | -.0099 | -.0080 | -.0019 |
| .774 | -.0577 | -.0548 | -.0029 |
| .720 | -.0861 | -.0826 | -.0036 |
| .679 | -.0908 | -.0868 | -.0040 |
| .577 | -.1055 | -.0981 | -.0074 |
| .423 | -.1355 | -.1093 | -.0262 |
| .298 | -.1626 | -.1024 | -.0602 |
| .228 | -.1718 | -.0853 | -.0865 |
| .151 | -.1624 | -.1135 | -.0489 |
| .060 | -.1191 | -.2291 | 0.1099 |
| .012 | 0.1539 | -.3315 | 0.4853 |

14-JAN-82 10:21:15

Figure 297, Chordwise Pressure Distribution, Steady, Configuration 2

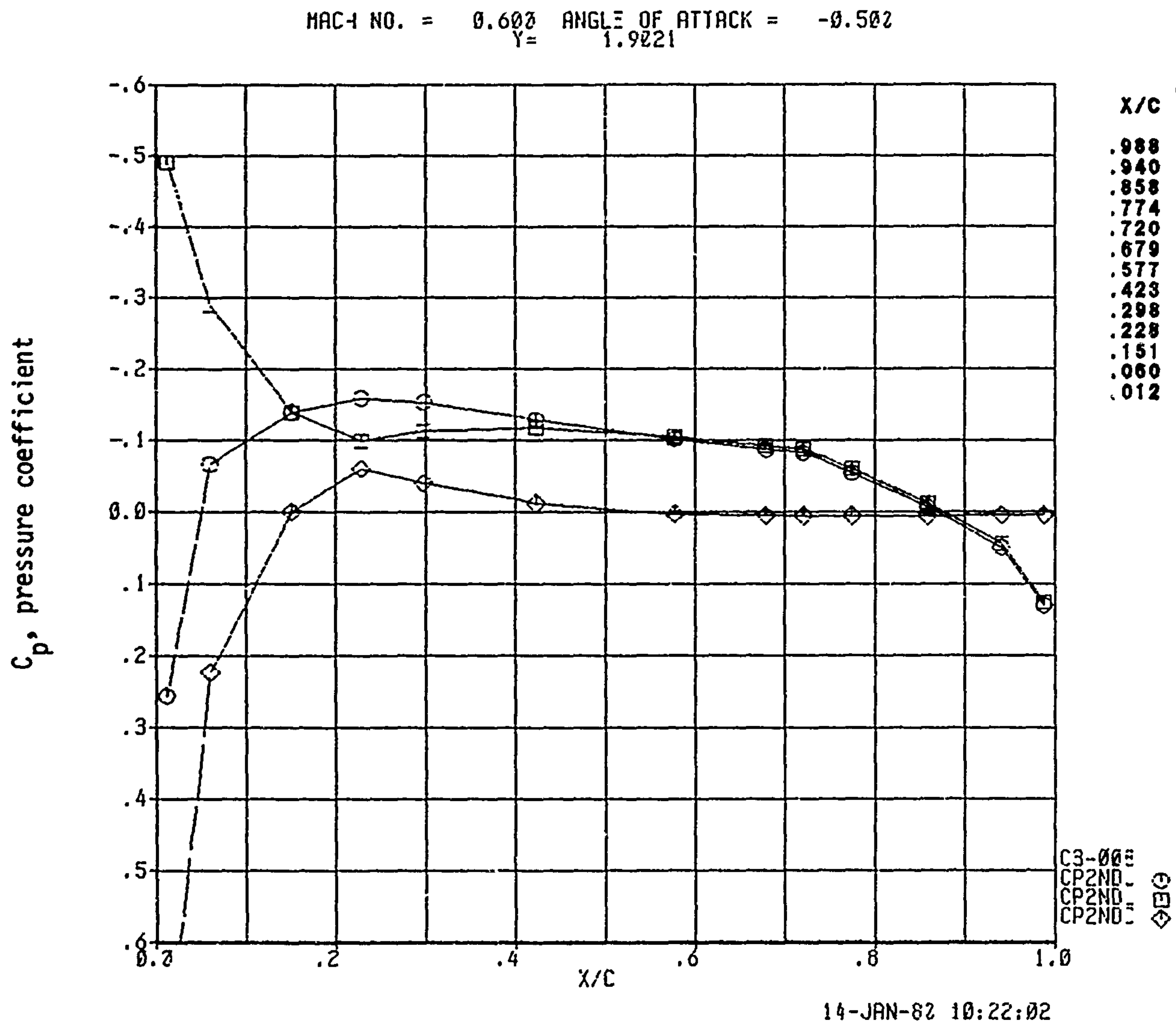
MACH NO. = 0.602 ANGLE OF ATTACK = 0.502
Y= 1.9221




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1257 | 0.1310 | -.0054 |
| .940 | 0.0442 | 0.0513 | -.0070 |
| .858 | -.0139 | -.0046 | -.0093 |
| .774 | -.0623 | -.0508 | -.0114 |
| .720 | -.0909 | -.0784 | -.0125 |
| .679 | -.0957 | -.0825 | -.0131 |
| .577 | -.1110 | -.0931 | -.0179 |
| .423 | -.1429 | -.1023 | -.0406 |
| .298 | -.1729 | -.0925 | -.0804 |
| .228 | -.1853 | -.0722 | -.1130 |
| .151 | -.1865 | -.0891 | -.0974 |
| .060 | -.1736 | -.1703 | -.0033 |
| .012 | 0.0417 | -.1828 | 0.2246 |

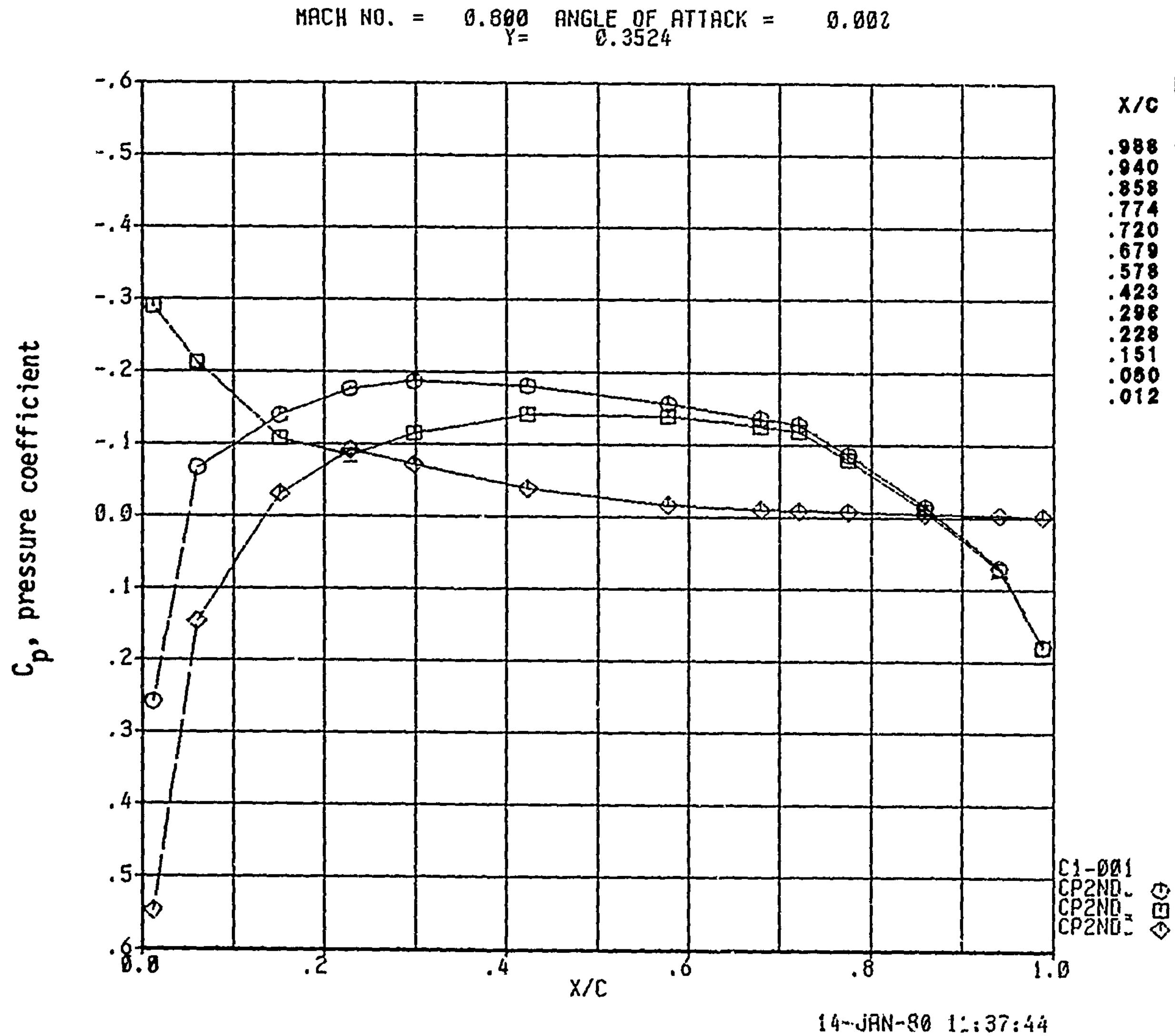
14-JAN-82 10:21:42

Figure 298, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1305 | 0.1257 | 0.0048 |
| .940 | 0.0500 | 0.0449 | 0.0052 |
| .858 | -.0068 | -.0123 | 0.0056 |
| .774 | -.0540 | -.0596 | 0.0056 |
| .720 | -.0822 | -.0876 | 0.0054 |
| .679 | -.0868 | -.0920 | 0.0052 |
| .577 | -.1009 | -.1038 | 0.0030 |
| .423 | -.1287 | -.1170 | -.0117 |
| .298 | -.1529 | -.1129 | -.0339 |
| .228 | -.1591 | -.0990 | -.0600 |
| .151 | -.1392 | -.1387 | -.0005 |
| .060 | -.0667 | -.2898 | 0.2231 |
| .012 | 0.2554 | -.4908 | 0.7461 |

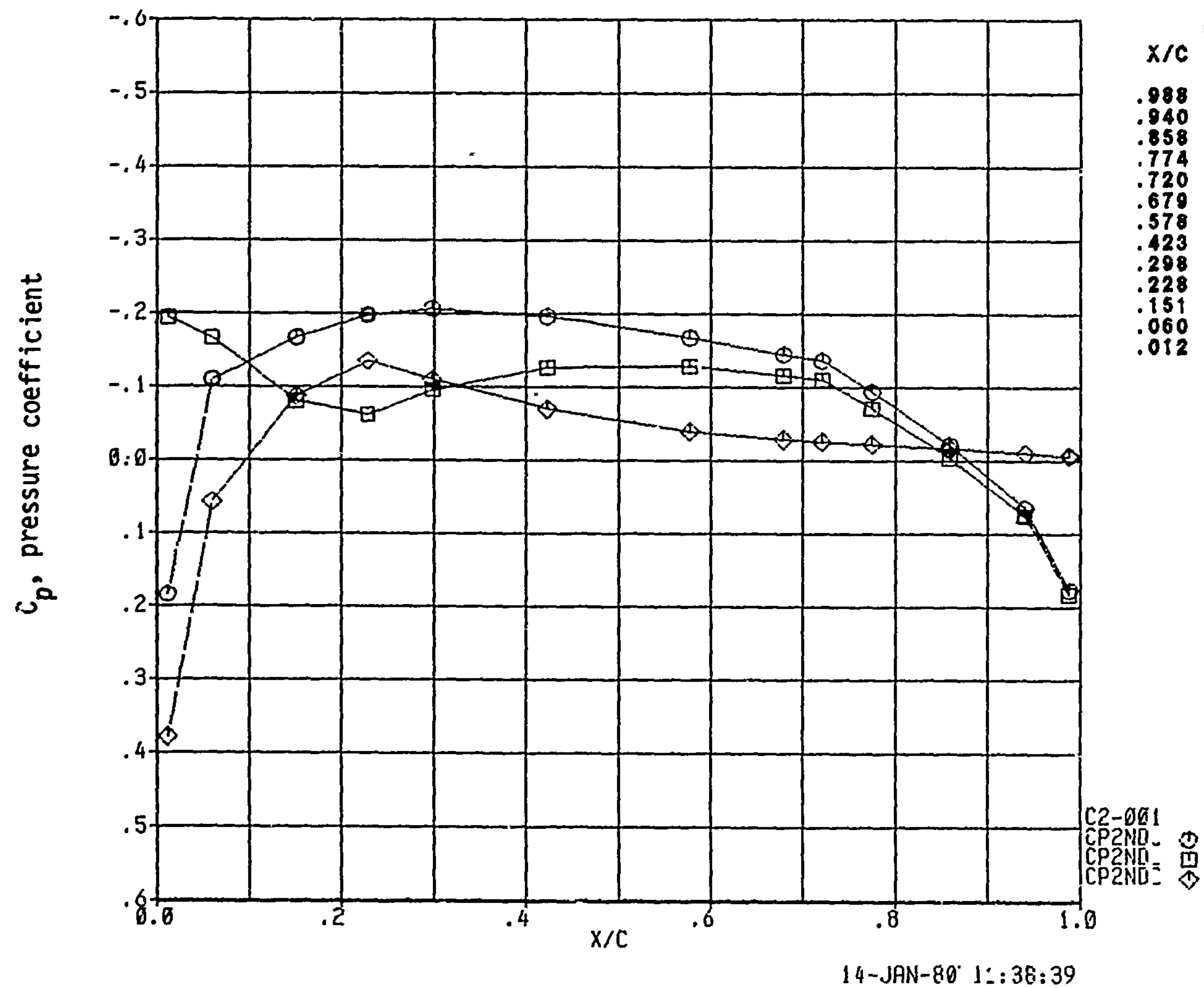
Figure 299, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1823 | 0.1836 | -.0013 |
| .940 | 0.0724 | 0.0753 | -.0029 |
| .858 | -.0115 | -.0063 | -.0052 |
| .774 | -.0795 | -.0718 | -.0077 |
| .720 | -.1247 | -.1154 | -.0094 |
| .679 | -.1323 | -.1216 | -.0107 |
| .578 | -.1523 | -.1355 | -.0169 |
| .423 | -.1766 | -.1373 | -.0393 |
| .298 | -.1834 | -.1108 | -.0726 |
| .228 | -.1725 | -.0794 | -.0930 |
| .151 | -.1367 | -.1039 | -.0327 |
| .080 | -.0842 | -.2077 | 0.1435 |
| .012 | 0.2595 | -.2840 | 0.5435 |

Figure 300, Chordwise Pressure Distribution, Steady, Configuration 2

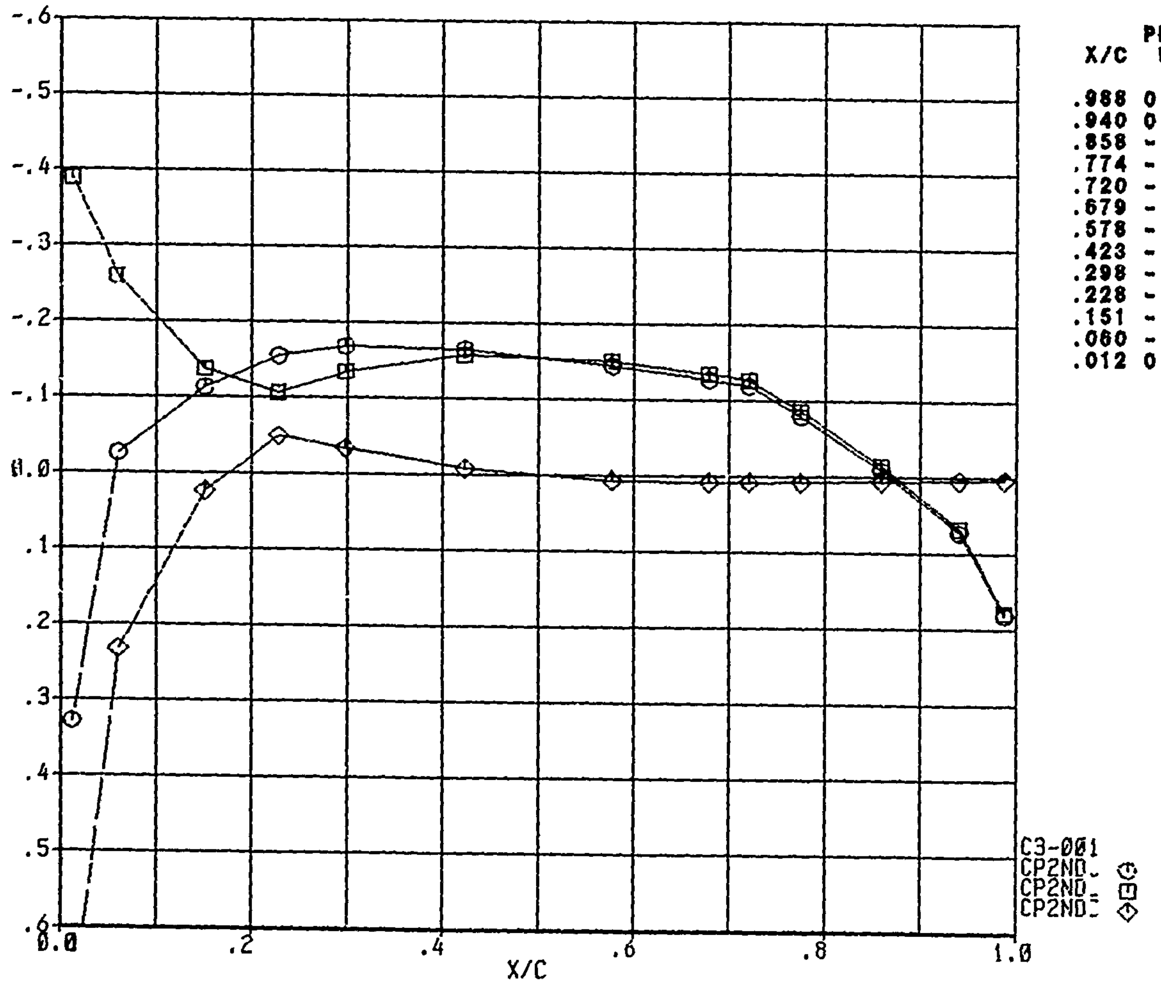
MACH NO. = 0.800 ANGLE OF ATTACK = 0.502
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1801 | 0.1857 | -.0056 |
| .940 | 0.0689 | 0.0787 | -.0097 |
| .858 | -.0167 | -.0012 | -.0155 |
| .774 | -.0863 | -.0650 | -.0213 |
| .720 | -.1325 | -.1078 | -.0247 |
| .679 | -.1408 | -.1134 | -.0274 |
| .578 | -.1630 | -.1250 | -.0380 |
| .423 | -.1911 | -.1230 | -.0681 |
| .298 | -.2015 | -.0930 | -.1084 |
| .228 | -.1929 | -.0591 | -.1338 |
| .151 | -.1627 | -.0773 | -.0855 |
| .060 | -.1043 | -.1642 | 0.0599 |
| .012 | 0.1891 | -.1923 | 0.3814 |

Figure 301, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = -0.502
Y= 0.3524

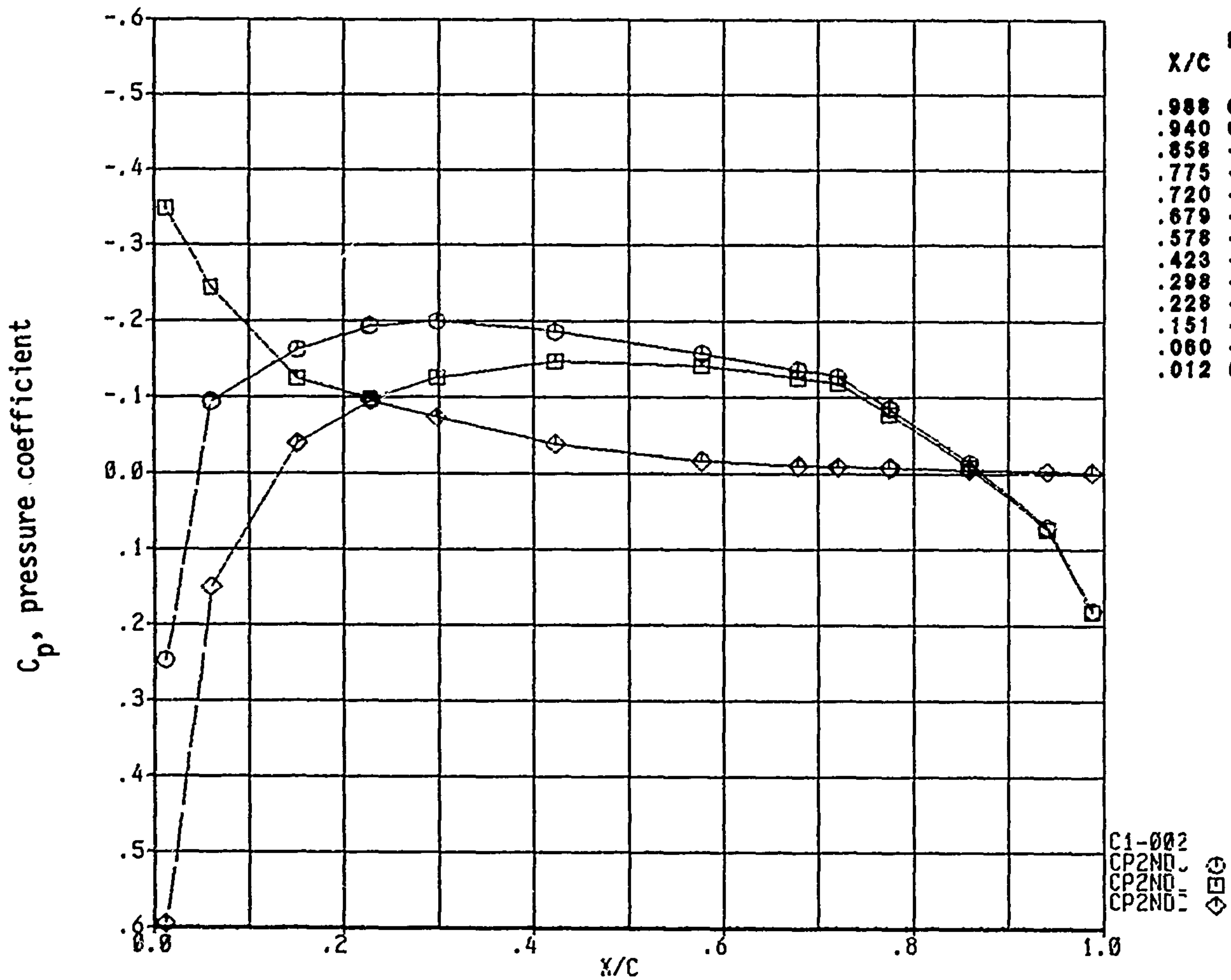



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1844 | 0.1813 | 0.0031 |
| .940 | 0.0758 | 0.0718 | 0.0040 |
| .858 | -.0064 | -.0115 | 0.0051 |
| .774 | -.0728 | -.0786 | 0.0058 |
| .720 | -.1171 | -.1231 | 0.0060 |
| .679 | -.1240 | -.1300 | 0.0060 |
| .578 | -.1419 | -.1461 | 0.0042 |
| .423 | -.1622 | -.1519 | -.0104 |
| .298 | -.1655 | -.1287 | -.0368 |
| .228 | -.1524 | -.1000 | -.0524 |
| .151 | -.1109 | -.1310 | 0.0201 |
| .060 | -.0249 | -.2519 | 0.2271 |
| .012 | 0.3268 | -.3789 | 0.7057 |

14-JAN-80 1:26:34

Figure 302, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = 0.002
Y= 0.6853

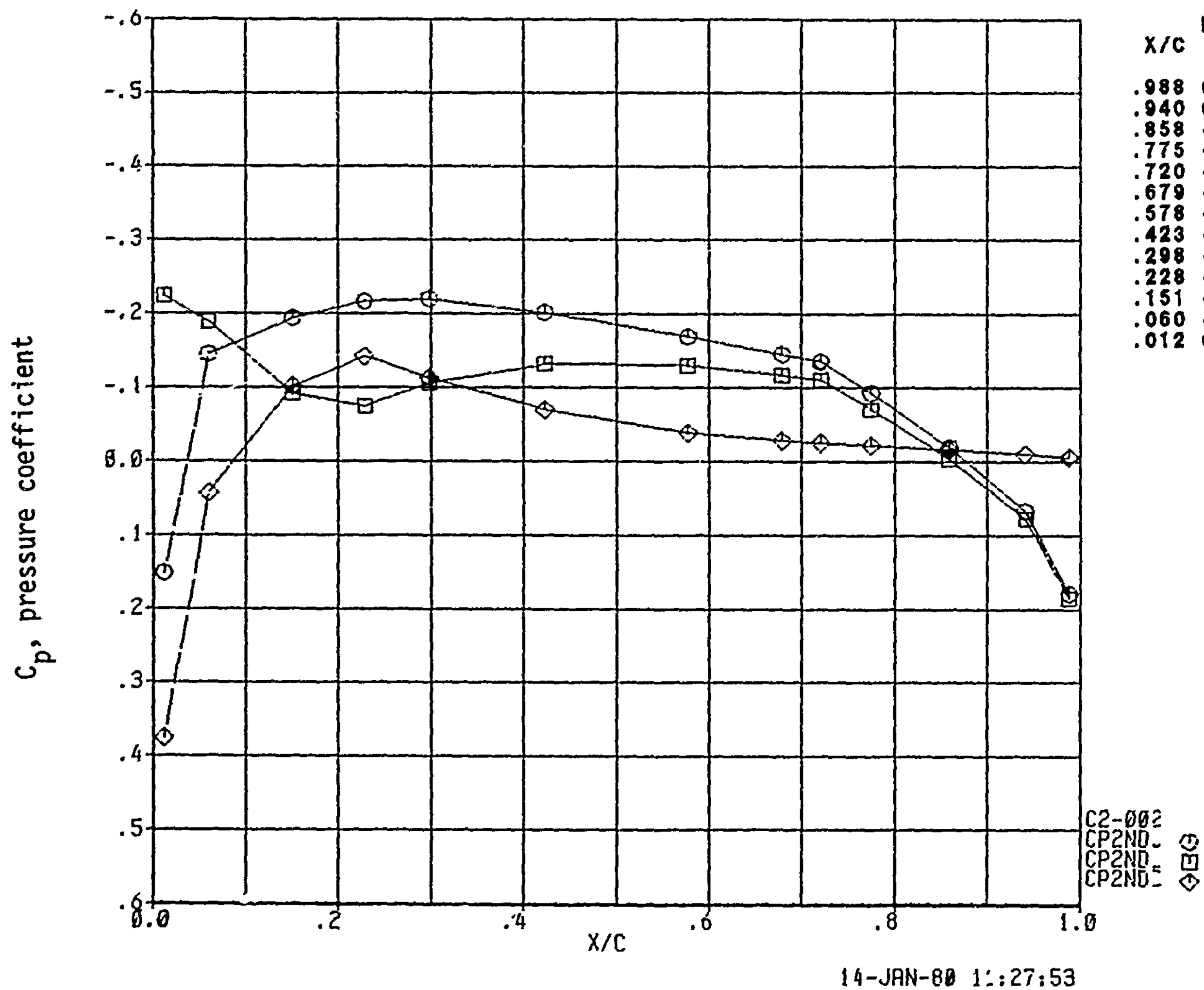



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1842 | 0.1855 | -.0013 |
| .940 | 0.0736 | 0.0765 | -.0029 |
| .858 | -.0106 | -.0054 | -.0052 |
| .775 | -.0786 | -.0710 | -.0076 |
| .720 | -.1244 | -.1152 | -.0092 |
| .679 | -.1325 | -.1220 | -.0105 |
| .578 | -.1537 | -.1372 | -.0165 |
| .423 | -.1825 | -.1433 | -.0391 |
| .298 | -.1961 | -.1219 | -.0741 |
| .228 | -.1904 | -.0937 | -.0967 |
| .151 | -.1594 | -.1192 | -.0402 |
| .060 | -.0911 | -.2388 | 0.1477 |
| .012 | 0.2480 | -.3424 | 0.5903 |

14-JAN-80 1:27:22

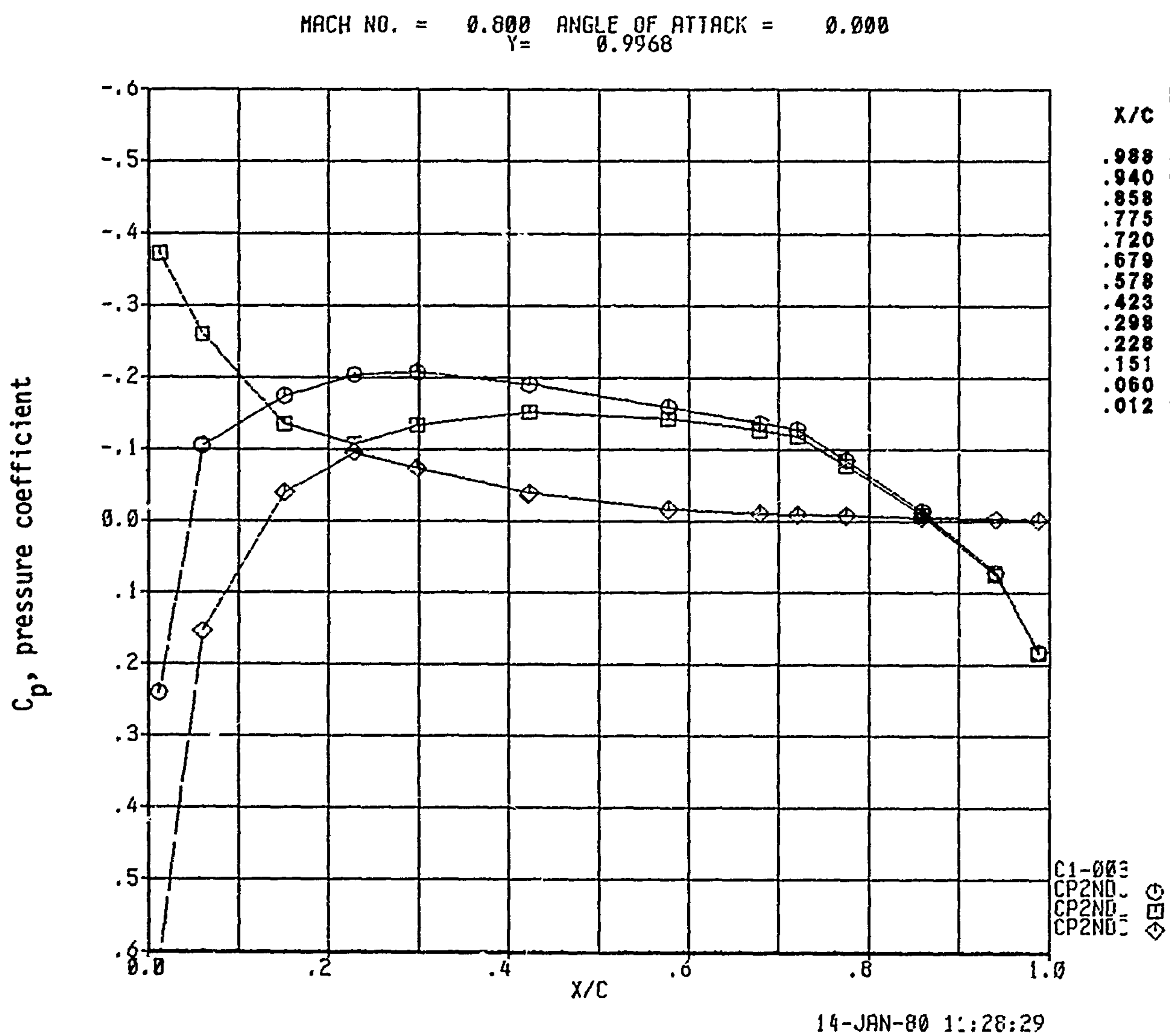
Figure 303, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = 0.50%
Y= 0.6853



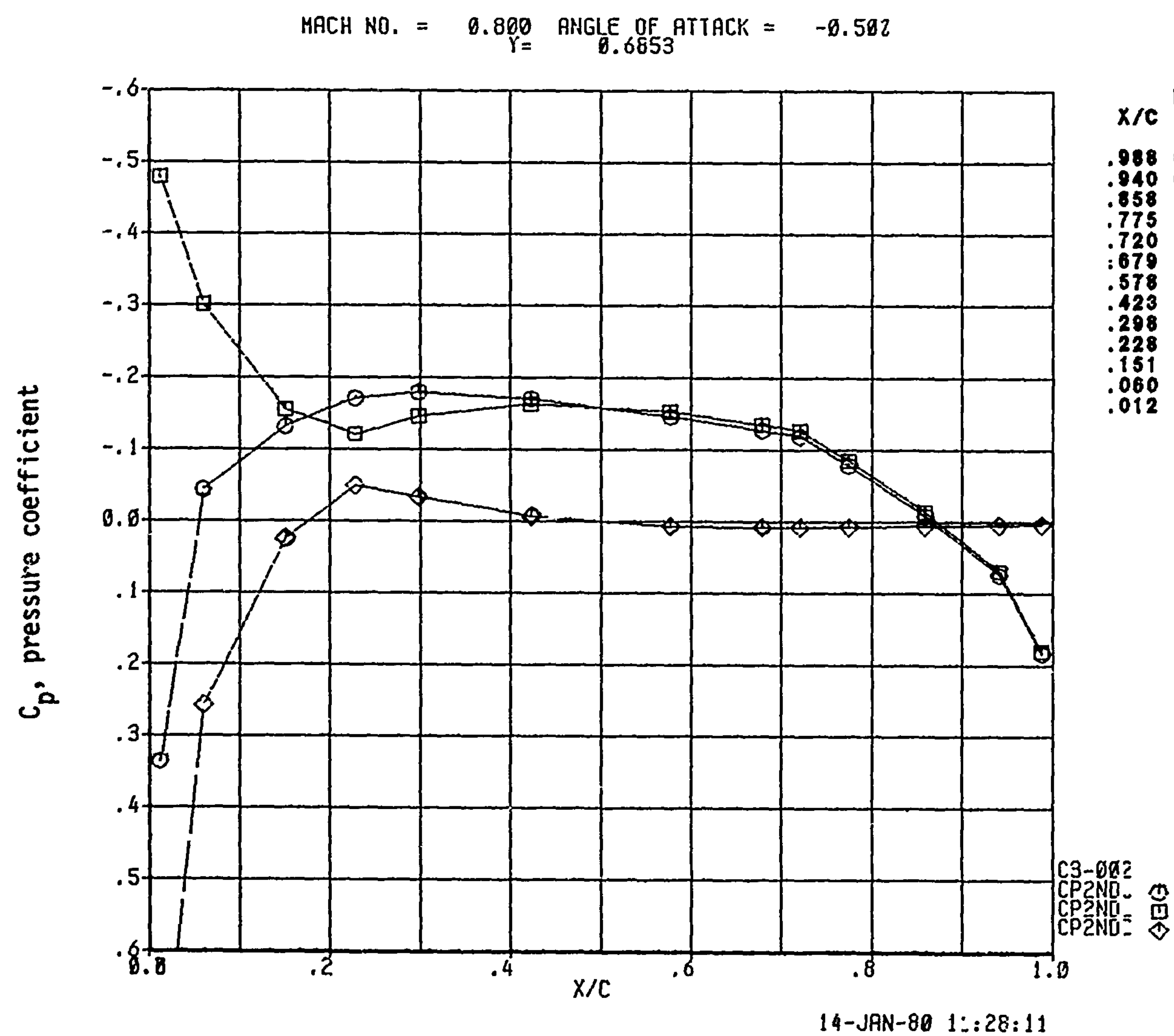

| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1819 | 0.1876 | -.0057 |
| .940 | 0.0700 | 0.0798 | -.0098 |
| .858 | -.0157 | -.0003 | -.0154 |
| .775 | -.0854 | -.0645 | -.0210 |
| .720 | -.1321 | -.1077 | -.0244 |
| .679 | -.1408 | -.1138 | -.0270 |
| .578 | -.1643 | -.1268 | -.0375 |
| .423 | -.1972 | -.1289 | -.0683 |
| .298 | -.2150 | -.1034 | -.1116 |
| .228 | -.2123 | -.0720 | -.1403 |
| .151 | -.1889 | -.0893 | -.0996 |
| .060 | -.1402 | -.1858 | 0.0457 |
| .012 | 0.1571 | -.2232 | 0.3803 |

Figure 304, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1851 | 0.1863 | -.0013 |
| .940 | 0.0741 | 0.0770 | -.0029 |
| .858 | -.0103 | -.0051 | -.0051 |
| .775 | -.0788 | -.0712 | -.0075 |
| .720 | -.1250 | -.1158 | -.0092 |
| .679 | -.1334 | -.1229 | -.0105 |
| .578 | -.1559 | -.1392 | -.0167 |
| .423 | -.1877 | -.1482 | -.0394 |
| .298 | -.2047 | -.1300 | -.0747 |
| .228 | -.2009 | -.1037 | -.0973 |
| .151 | -.1715 | -.1308 | -.0407 |
| .060 | -.1028 | -.2545 | 0.1517 |
| .012 | 0.2404 | -.3654 | 0.6057 |

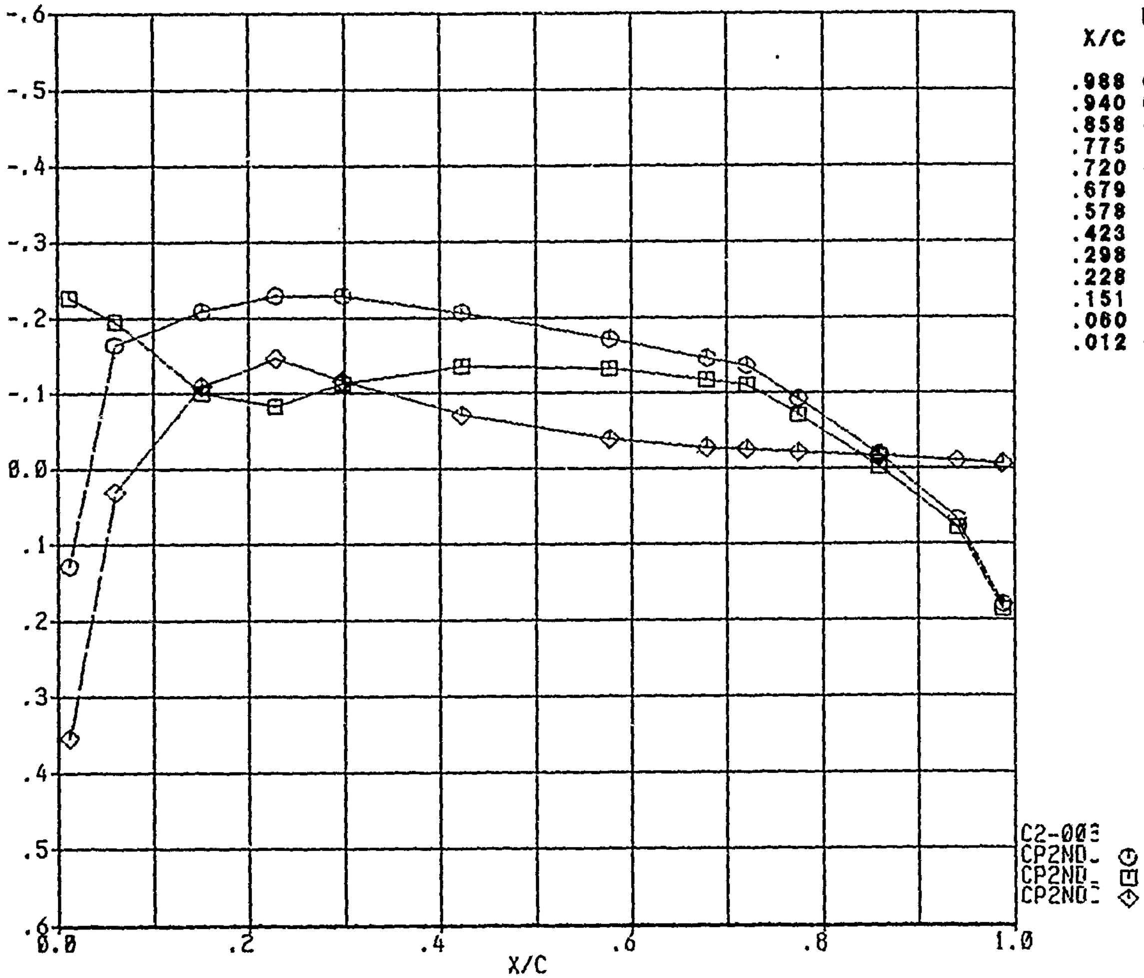
Figure 305, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1863 | 0.1832 | 0.0032 |
| .940 | 0.0769 | 0.0729 | 0.0040 |
| .858 | -.0055 | -.0106 | 0.0050 |
| .775 | -.0720 | -.0778 | 0.0057 |
| .720 | -.1170 | -.1228 | 0.0059 |
| .679 | -.1243 | -.1303 | 0.0060 |
| .578 | -.1433 | -.1477 | 0.0044 |
| .423 | -.1679 | -.1580 | -.0098 |
| .298 | -.1774 | -.1407 | -.0367 |
| .228 | -.1688 | -.1156 | -.0531 |
| .151 | -.1304 | -.1496 | 0.0192 |
| .060 | -.0432 | -.2930 | 0.2497 |
| .012 | 0.3338 | -.4665 | 0.8003 |

Figure 306, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 0.9968

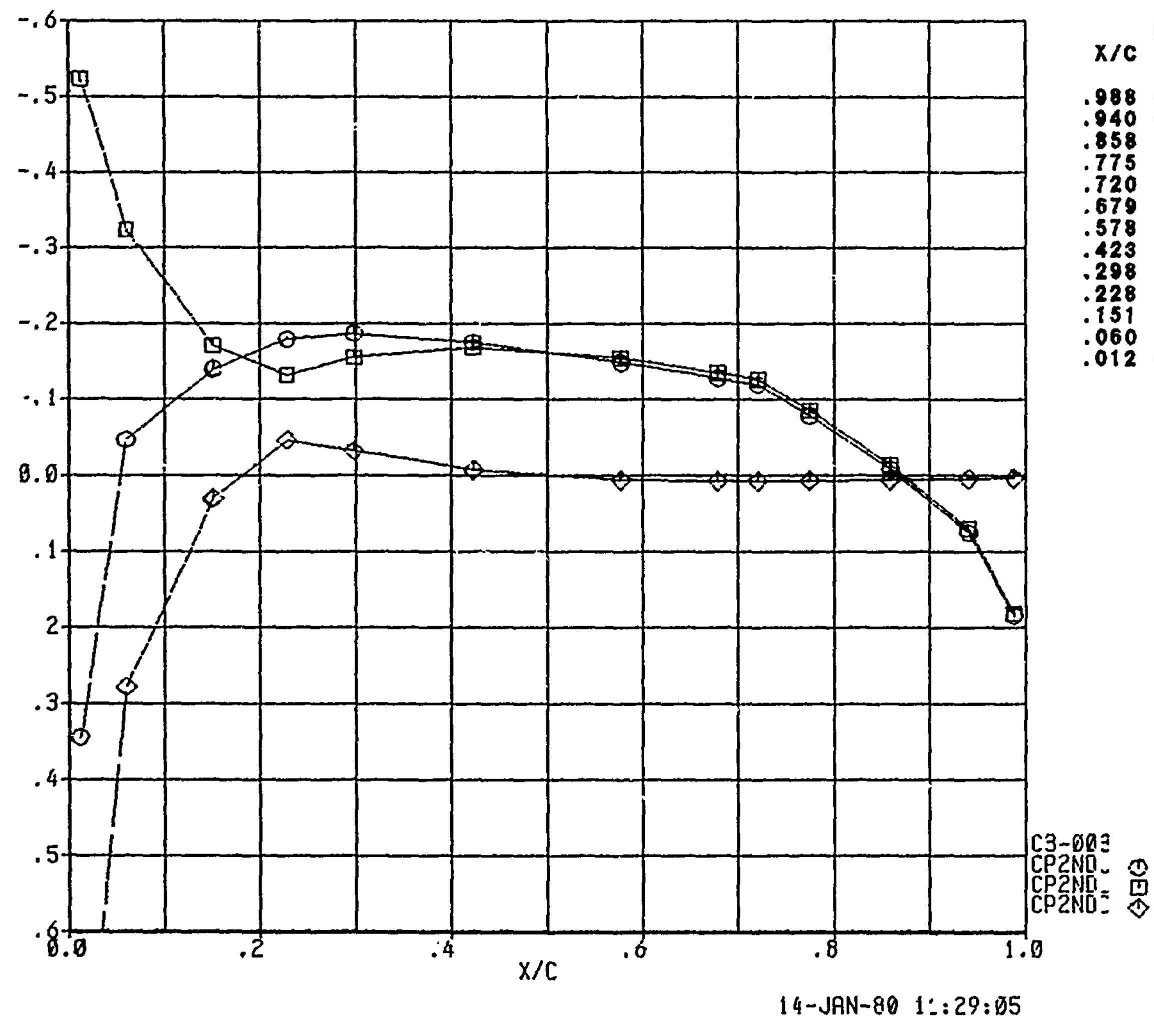



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1827 | 0.1885 | -.0058 |
| .940 | 0.0706 | 0.0803 | -.0097 |
| .858 | -.0154 | -.0002 | -.0152 |
| .775 | -.0855 | -.0648 | -.0207 |
| .720 | -.1326 | -.1084 | -.0241 |
| .679 | -.1416 | -.1148 | -.0268 |
| .578 | -.1665 | -.1288 | -.0377 |
| .423 | -.2030 | -.1333 | -.0696 |
| .298 | -.2248 | -.1103 | -.1145 |
| .228 | -.2247 | -.0802 | -.1445 |
| .151 | -.2044 | -.0975 | -.1070 |
| .060 | -.1593 | -.1937 | 0.0344 |
| .012 | 0.1338 | -.2265 | 0.3603 |

14-JAN-80 1:28:48

Figure 307, Chordwise Pressure Distribution, Steady, Configuration 2

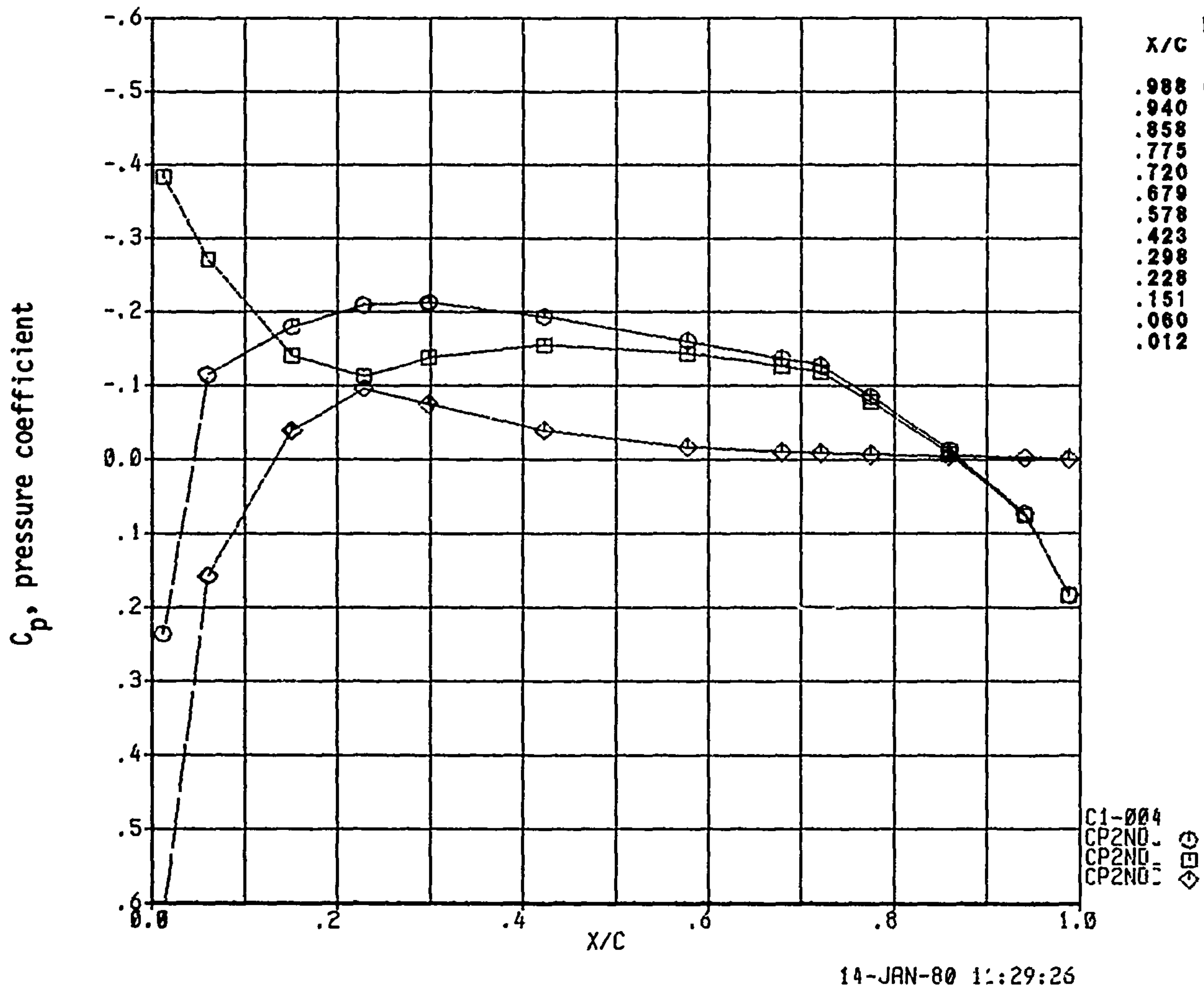
MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1872 | 0.1840 | 0.0032 |
| .940 | 0.0774 | 0.0734 | 0.0040 |
| .858 | -.0054 | -.0102 | 0.0049 |
| .775 | -.0723 | -.0780 | 0.0055 |
| .720 | -.1177 | -.1233 | 0.0057 |
| .679 | -.1253 | -.1311 | 0.0058 |
| .578 | -.1455 | -.1498 | 0.0043 |
| .423 | -.1726 | -.1634 | -.0092 |
| .298 | -.1849 | -.1499 | -.0350 |
| .228 | -.1775 | -.1274 | -.0501 |
| .151 | -.1392 | -.1645 | 0.0254 |
| .060 | -.0477 | -.3167 | 0.2690 |
| .012 | 0.3402 | -.5109 | 0.8512 |

Figure 308, Chordwise Pressure Distribution, Steady, Configuration 2.

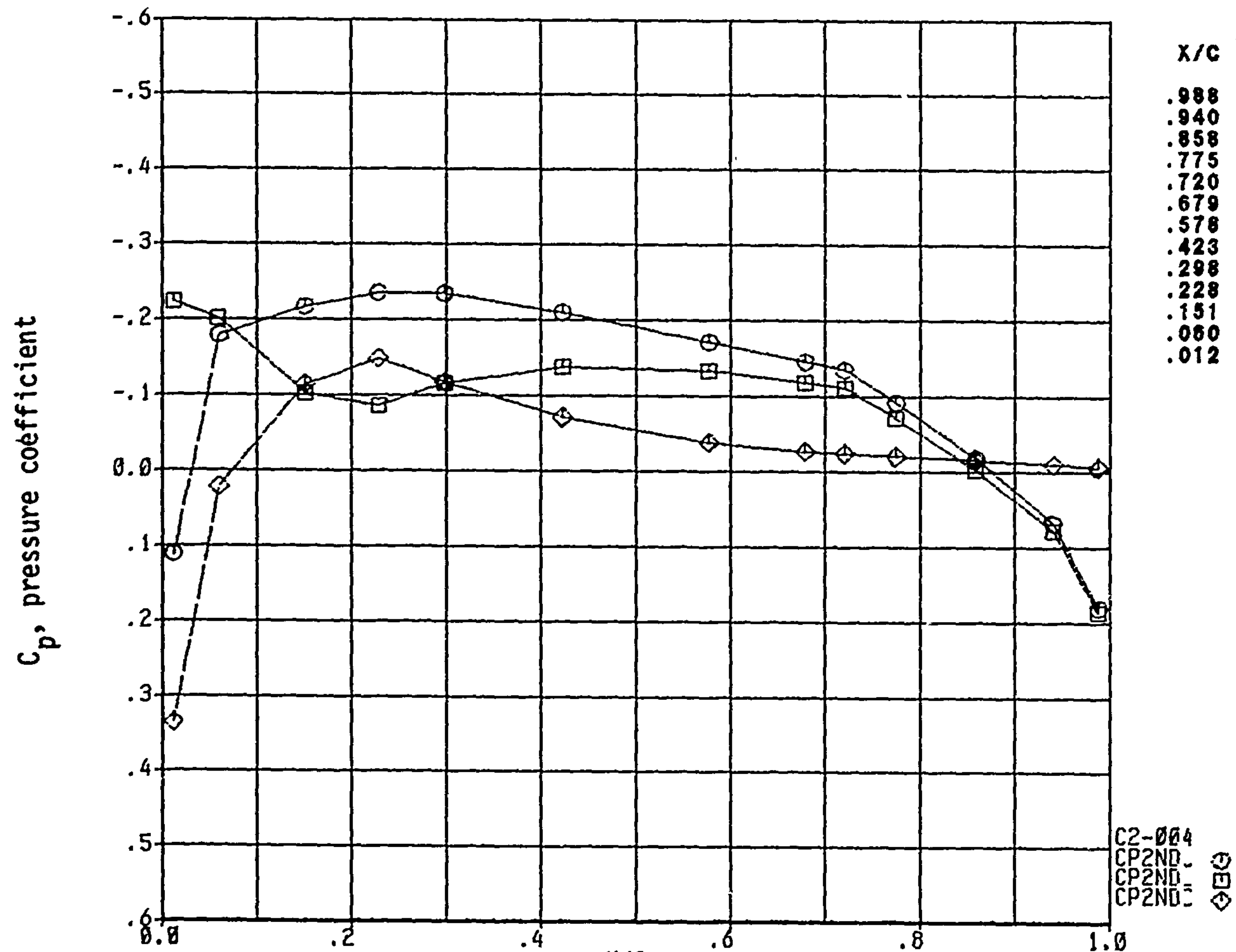
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1846 | 0.1858 | -.0012 |
| .940 | 0.0737 | 0.0765 | -.0027 |
| .858 | -.0105 | -.0055 | -.0049 |
| .775 | -.0788 | -.0715 | -.0073 |
| .720 | -.1250 | -.1161 | -.0090 |
| .679 | -.1336 | -.1233 | -.0103 |
| .578 | -.1566 | -.1399 | -.0167 |
| .423 | -.1909 | -.1511 | -.0398 |
| .298 | -.2099 | -.1346 | -.0754 |
| .228 | -.2068 | -.1094 | -.0974 |
| .151 | -.1778 | -.1370 | -.0408 |
| .060 | -.1135 | -.2678 | 0.1543 |
| .012 | 0.2352 | -.3782 | 0.6133 |

Figure 309, Chordwise Pressure Distribution, Steady, Configuration 2

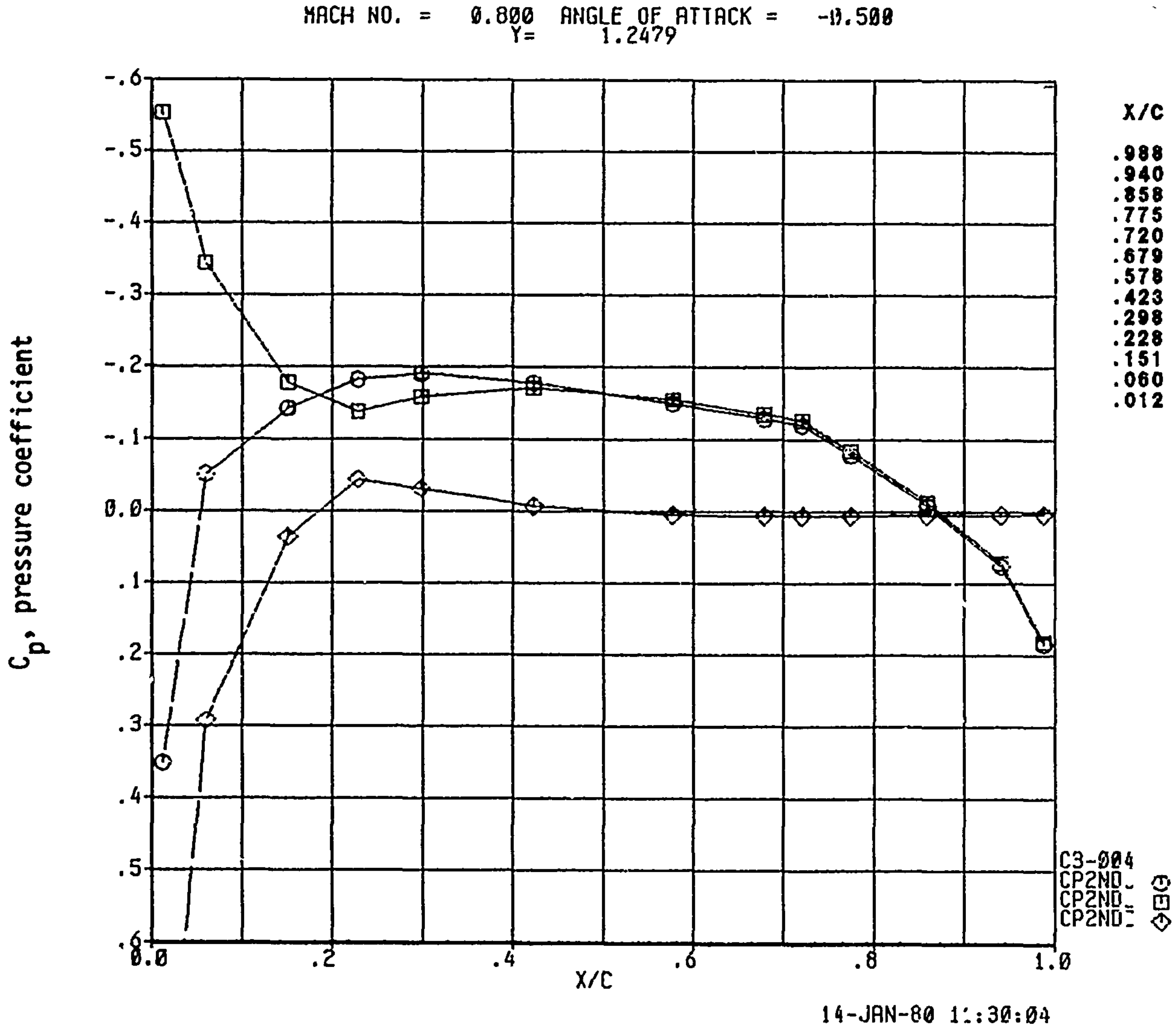
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1823 | 0.1880 | -.0057 |
| .940 | 0.0702 | 0.0797 | -.0095 |
| .858 | -.0155 | -.0007 | -.0147 |
| .775 | -.0853 | -.0653 | -.0200 |
| .720 | -.1323 | -.1090 | -.0234 |
| .679 | -.1416 | -.1155 | -.0261 |
| .578 | -.1671 | -.1297 | -.0372 |
| .423 | -.2063 | -.1360 | -.0703 |
| .298 | -.2309 | -.1141 | -.1168 |
| .228 | -.2320 | -.0845 | -.1474 |
| .151 | -.2133 | -.1012 | -.1121 |
| .060 | -.1757 | -.2011 | 0.0254 |
| .012 | 0.1167 | -.2249 | 0.3416 |

14-JAN-80 1:29:44

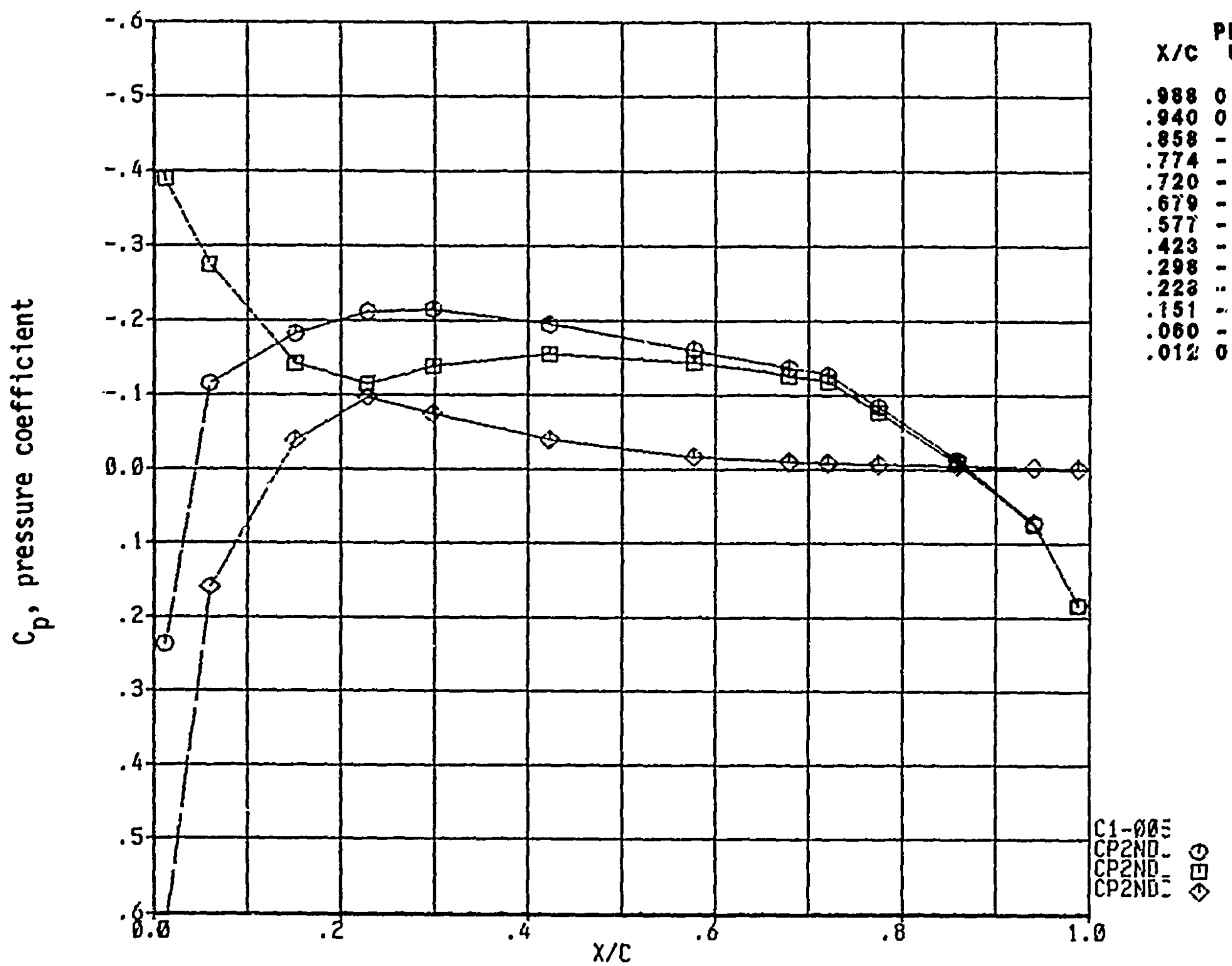
Figure 310, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1867 | 0.1835 | 0.0033 |
| .940 | 0.0769 | 0.0730 | 0.0039 |
| .858 | -.0058 | -.0105 | 0.0047 |
| .775 | -.0726 | -.0779 | 0.0053 |
| .720 | -.1180 | -.1233 | 0.0054 |
| .679 | -.1258 | -.1312 | 0.0054 |
| .578 | -.1464 | -.1503 | 0.0038 |
| .423 | -.1756 | -.1664 | -.0092 |
| .298 | -.1893 | -.1553 | -.0340 |
| .228 | -.1819 | -.1346 | -.0474 |
| .151 | -.1428 | -.1734 | 0.0306 |
| .060 | -.0530 | -.3361 | 0.2832 |
| .012 | 0.3453 | -.5397 | 0.8850 |

Figure 311, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 1.4037

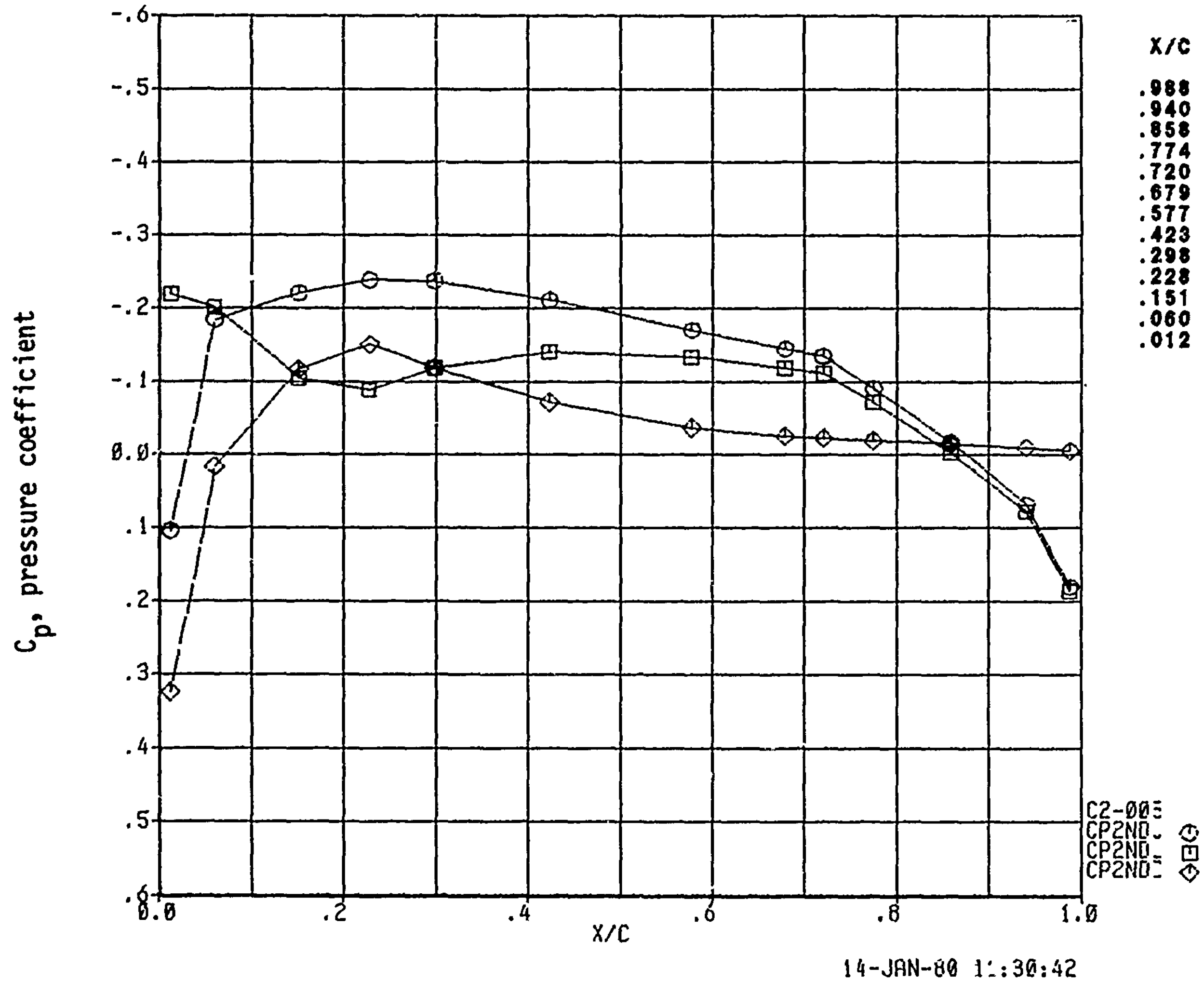



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1833 | 0.1844 | -.0011 |
| .940 | 0.0726 | 0.0753 | -.0026 |
| .858 | -.0110 | -.0062 | -.0048 |
| .774 | -.0786 | -.0716 | -.0071 |
| .720 | -.1244 | -.1159 | -.0086 |
| .679 | -.1328 | -.1228 | -.0100 |
| .577 | -.1560 | -.1395 | -.0165 |
| .423 | -.1922 | -.1520 | -.0401 |
| .298 | -.2133 | -.1370 | -.0763 |
| .223 | -.2107 | -.1126 | -.0982 |
| .151 | -.1818 | -.1407 | -.0410 |
| .060 | -.1158 | -.2721 | 0.1562 |
| .012 | 0.2349 | -.3845 | 0.6195 |

14-JAN-80 1:30:26

Figure 312, Chordwise Pressure Distribution, Steady, Configuration 2

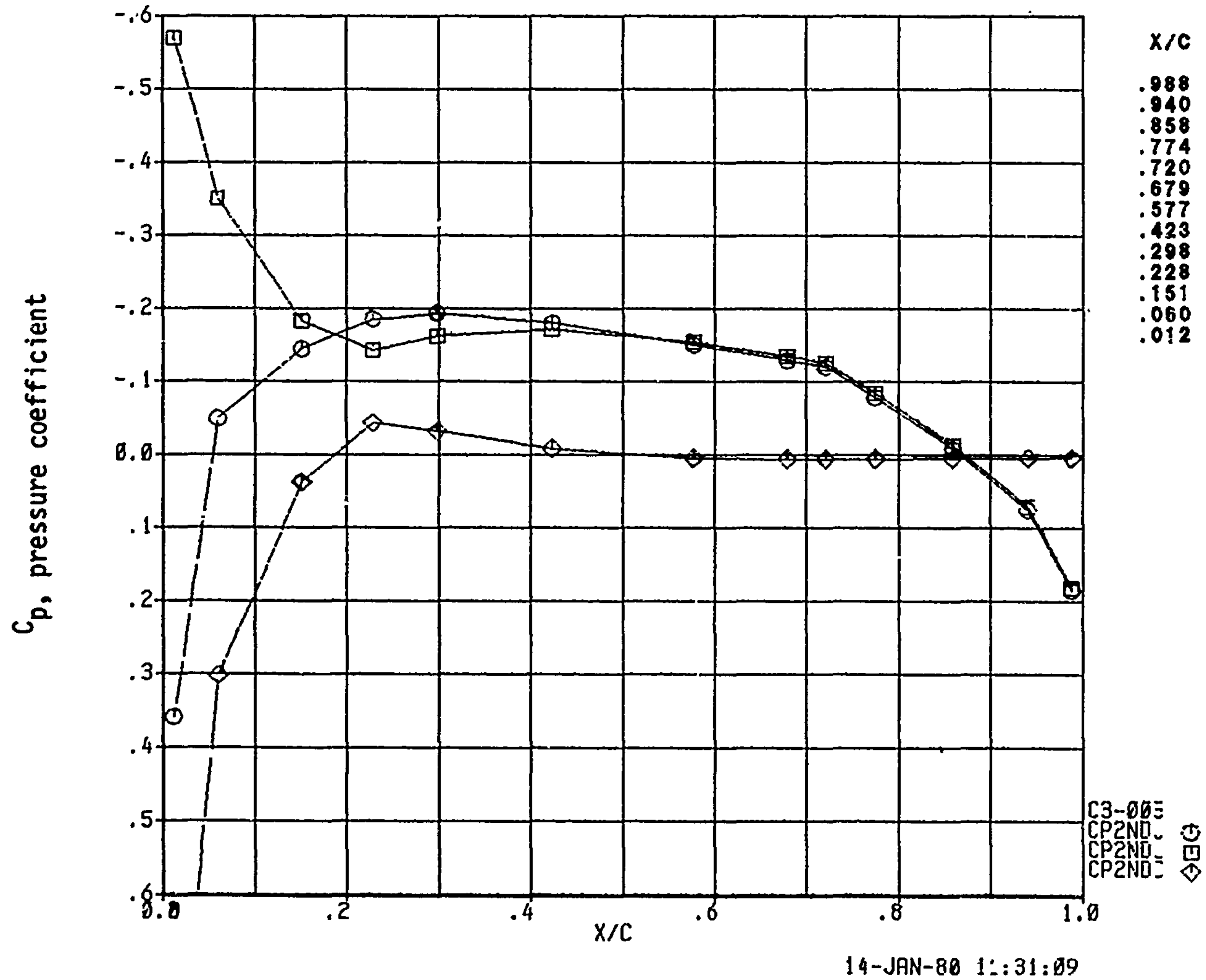
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1809 | 0.1866 | -.0056 |
| .940 | 0.0692 | 0.0785 | -.0092 |
| .858 | -.0157 | -.0016 | -.0142 |
| .774 | -.0848 | -.0656 | -.0191 |
| .720 | -.1314 | -.1091 | -.0223 |
| .679 | -.1404 | -.1154 | -.0250 |
| .577 | -.1661 | -.1298 | -.0362 |
| .423 | -.2074 | -.1371 | -.0703 |
| .298 | -.2345 | -.1164 | -.1181 |
| .228 | -.2367 | -.0872 | -.1494 |
| .151 | -.2188 | -.1035 | -.1154 |
| .060 | -.1816 | -.2017 | 0.0201 |
| .012 | 0.1089 | -.2219 | 0.3308 |

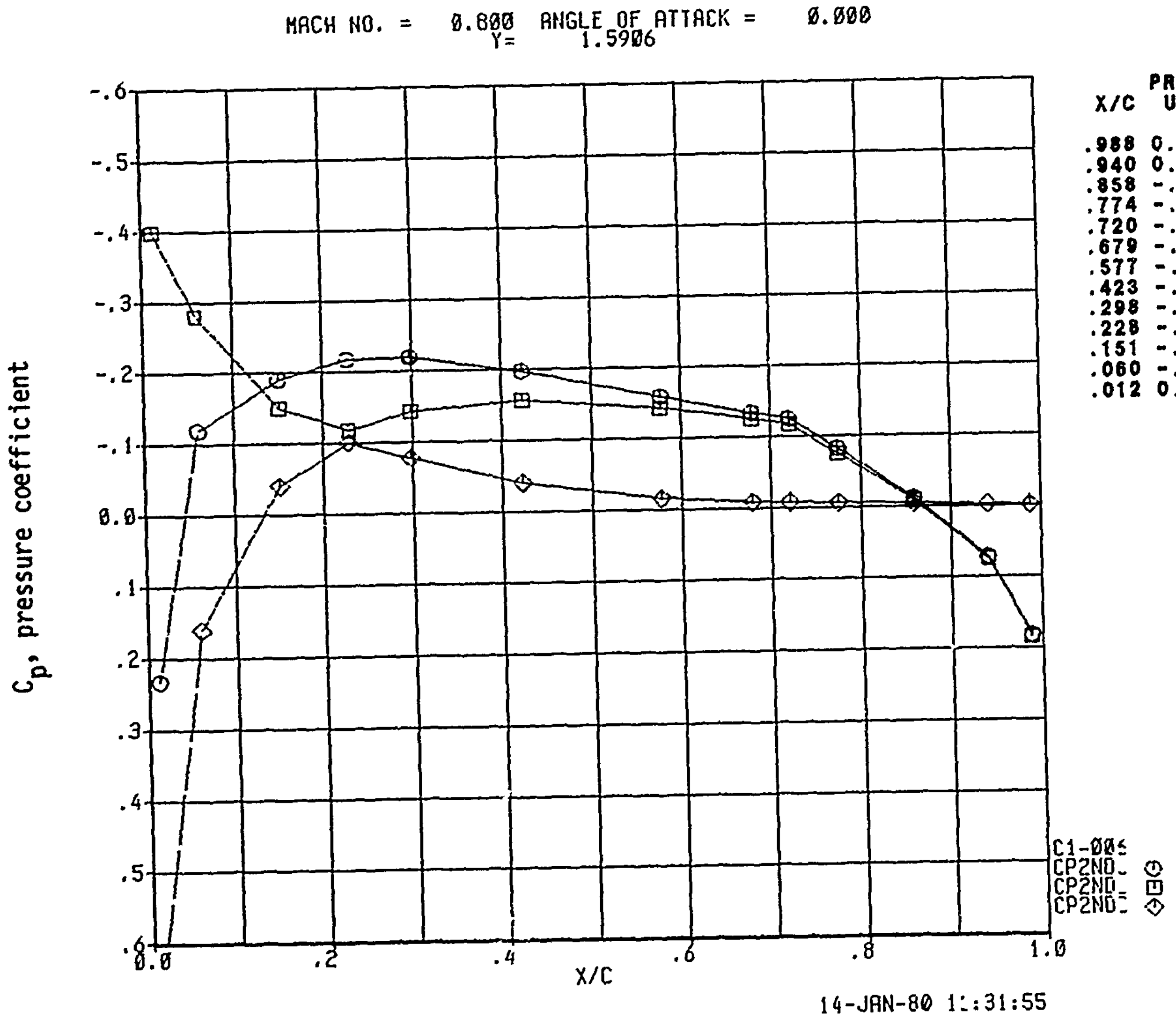
Figure 313, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | C.1854 | 0.1821 | 0.0034 |
| .940 | 0.0758 | 0.0719 | 0.0039 |
| .858 | -.0064 | -.0110 | 0.0046 |
| .774 | -.0726 | -.0777 | 0.0051 |
| .720 | -.1178 | -.1228 | 0.0051 |
| .679 | -.1254 | -.1305 | 0.0050 |
| .577 | -.1462 | -.1495 | 0.0033 |
| .423 | -.1771 | -.1672 | -.0099 |
| .298 | -.1924 | -.1580 | -.0344 |
| .228 | -.1853 | -.1384 | -.0469 |
| .151 | -.1454 | -.1786 | 0.0332 |
| .060 | -.0519 | -.3442 | 0.2924 |
| .012 | 0.3518 | -.5563 | 0.9081 |

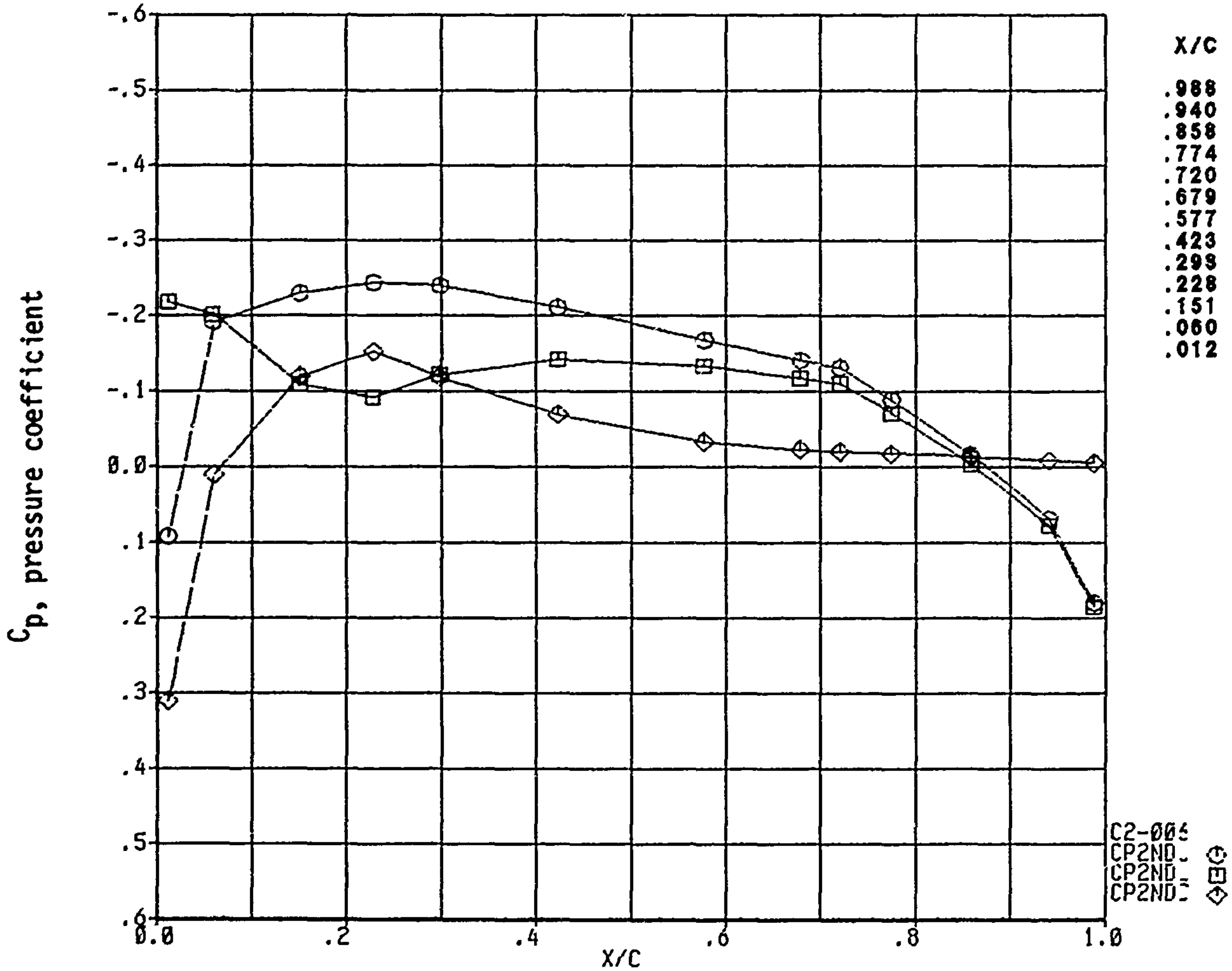
Figure 314, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1792 | 0.1802 | -.0010 |
| .940 | 0.0695 | 0.0719 | -.0024 |
| .858 | -.0120 | -.0078 | -.0042 |
| .774 | -.0772 | -.0709 | -.0062 |
| .720 | -.1217 | -.1140 | -.0076 |
| .679 | -.1293 | -.1205 | -.0088 |
| .577 | -.1527 | -.1375 | -.0151 |
| .423 | -.1919 | -.1516 | -.0404 |
| .298 | -.2174 | -.1392 | =.0782 |
| .228 | -.2174 | -.1153 | -.1021 |
| .151 | -.1908 | -.1485 | -.0423 |
| .060 | -.1202 | -.2776 | 0.1576 |
| .012 | 0.2288 | -.3959 | 0.6247 |

Figure 315, Chordwise Pressure Distribution, Steady, Configuration 2

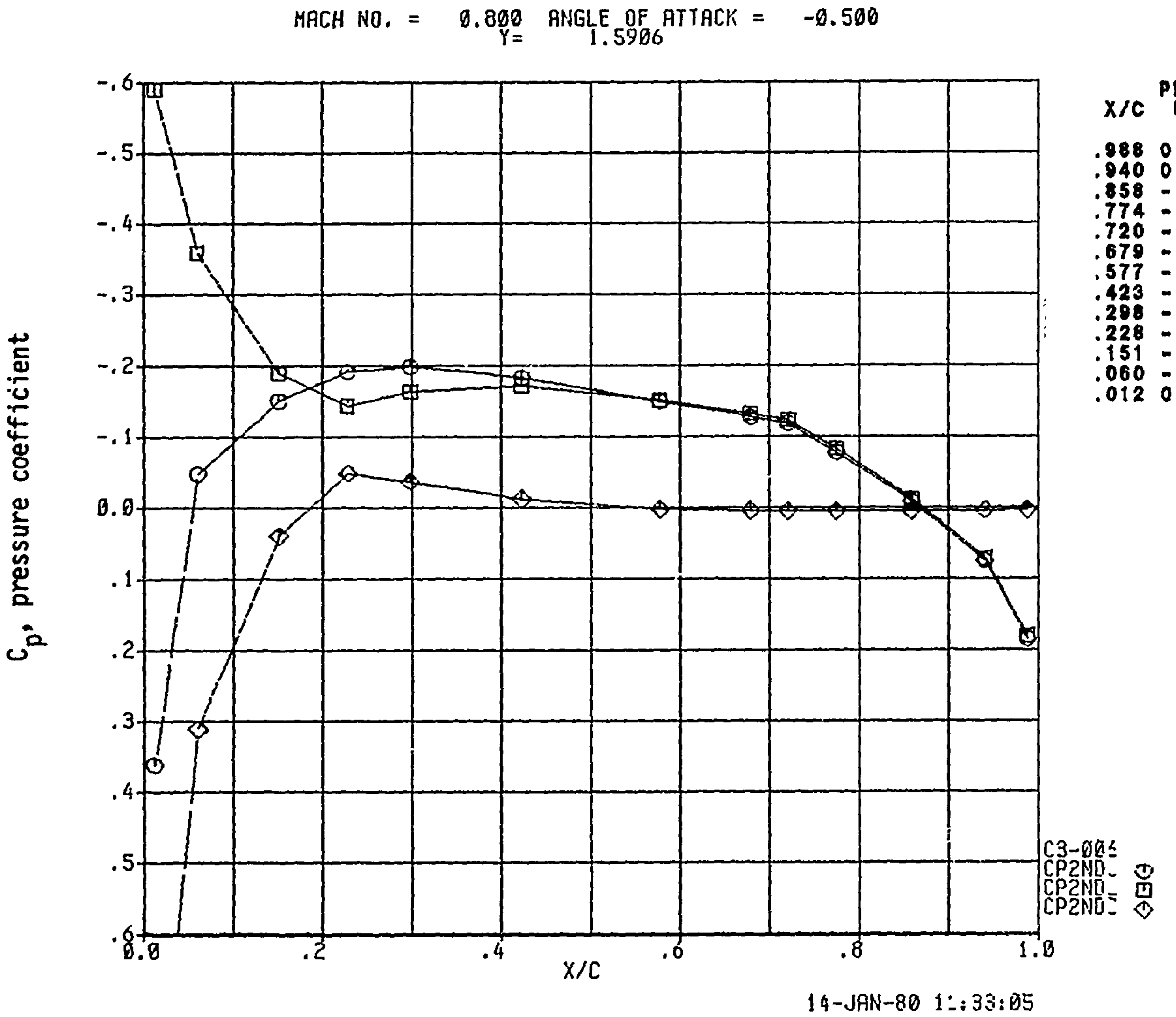
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1768 | 0.1823 | -.0055 |
| .940 | 0.0662 | 0.0749 | -.0086 |
| .858 | -.0165 | -.0034 | -.0130 |
| .774 | -.0829 | -.0655 | -.0173 |
| .720 | -.1280 | -.1079 | -.0201 |
| .679 | -.1361 | -.1139 | -.0222 |
| .577 | -.1617 | -.1289 | -.0328 |
| .423 | -.2062 | -.1376 | -.0685 |
| .298 | -.2381 | -.1192 | -.1190 |
| .228 | -.2433 | -.0900 | -.1533 |
| .151 | -.2293 | -.1098 | -.1195 |
| .060 | -.1903 | -.2028 | 0.0125 |
| .012 | 0.0938 | -.2223 | 0.3162 |

14-JAN-80 11:32:16

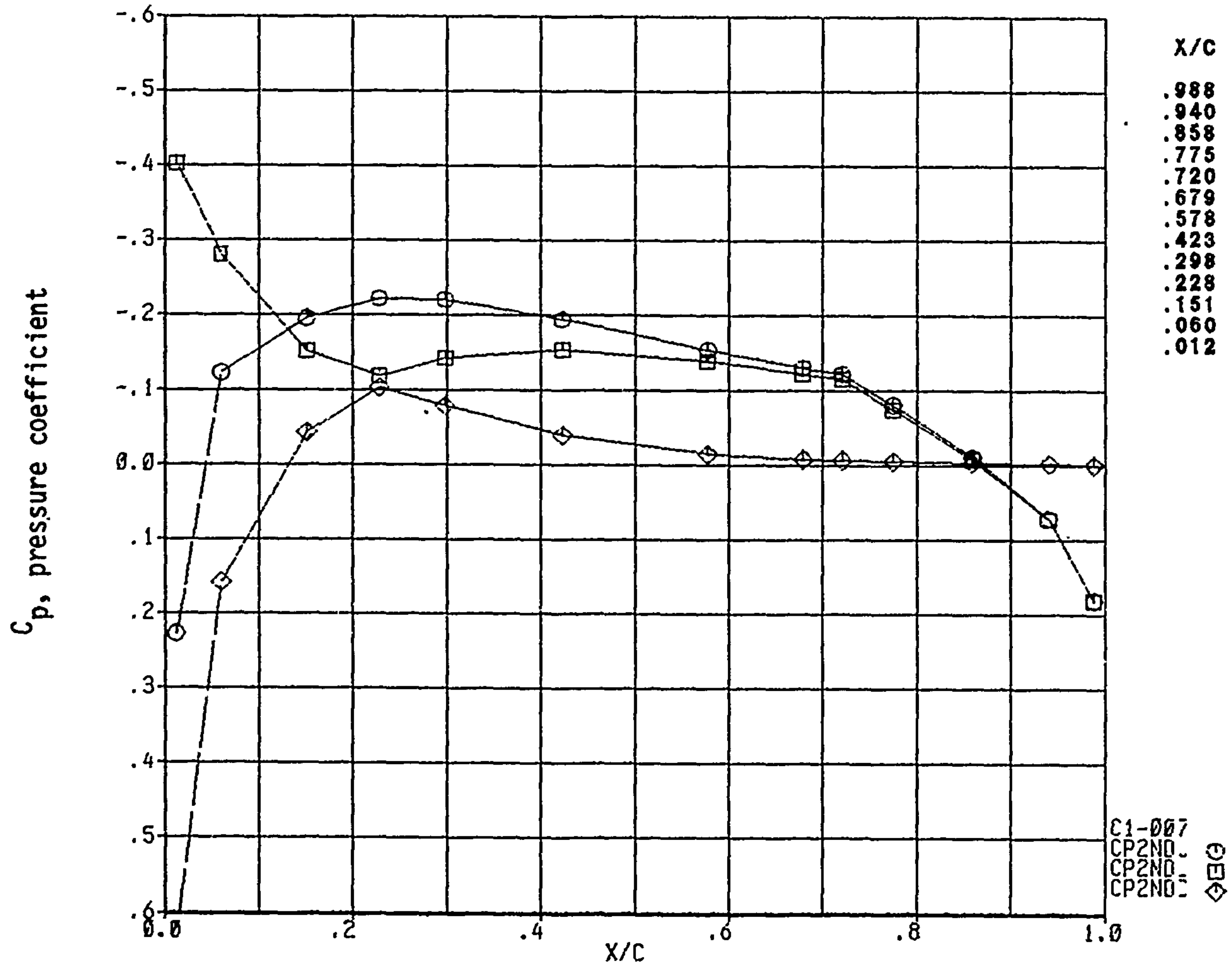
Figure 316, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1813 | 0.1778 | 0.0034 |
| .940 | 0.0725 | 0.0686 | 0.0039 |
| .858 | -.0078 | -.0123 | 0.0045 |
| .774 | -.0718 | -.0766 | 0 0048 |
| .720 | -.1156 | -.1204 | 0.0047 |
| .679 | -.1227 | -.1273 | 0.0046 |
| .577 | -.1440 | -.1465 | 0.0025 |
| .423 | -.1779 | -.1657 | -.0122 |
| .298 | -.1971 | -.1596 | -.0375 |
| .228 | -.1920 | -.1411 | -.0509 |
| .151 | -.1531 | -.1879 | 0.0348 |
| .060 | -.0520 | -.3546 | 0.3026 |
| .012 | 0.3536 | -.5798 | 0.9334 |

Figure 317, Chordwise Pressure Distribution, Steady, Configuration 2

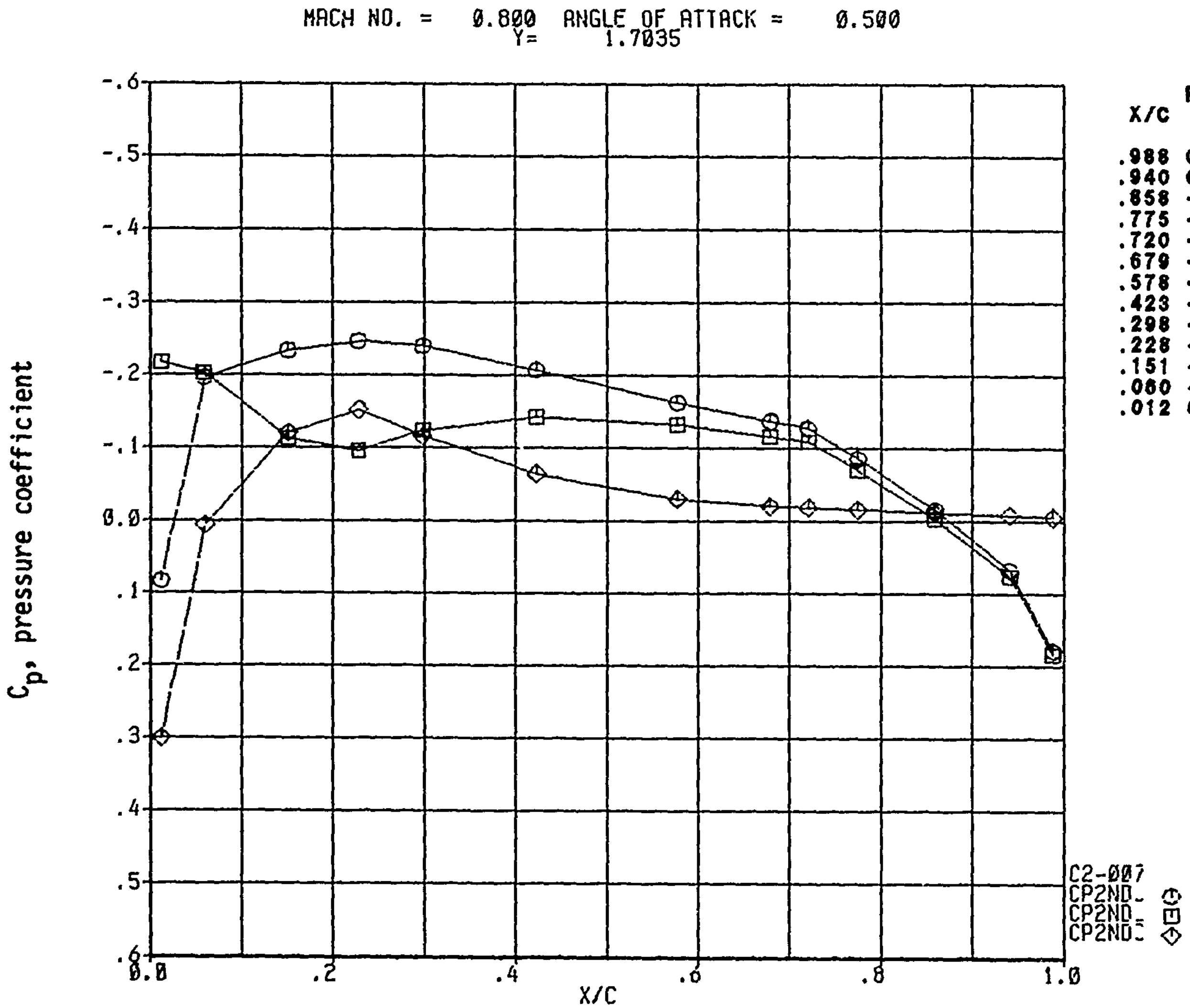
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1731 | 0.1739 | -.0009 |
| .940 | 0.0648 | 0.0669 | -.0021 |
| .858 | -.0132 | -.0095 | -.0037 |
| .775 | -.0749 | -.0694 | -.0054 |
| .720 | -.1175 | -.1109 | -.0066 |
| .679 | -.1240 | -.1164 | -.0075 |
| .578 | -.1454 | -.1321 | -.0133 |
| .423 | -.1852 | -.1465 | -.0387 |
| .298 | -.2166 | -.1376 | -.0790 |
| .228 | -.2216 | -.1170 | -.1045 |
| .151 | -.1983 | -.1518 | -.0464 |
| .060 | -.1276 | -.2809 | 0.1532 |
| .012 | 0.2214 | -.4011 | 0.6225 |

14-JAN-80 1:33:27

Figure 318, Chordwise Pressure Distribution, Steady, Configuration 2

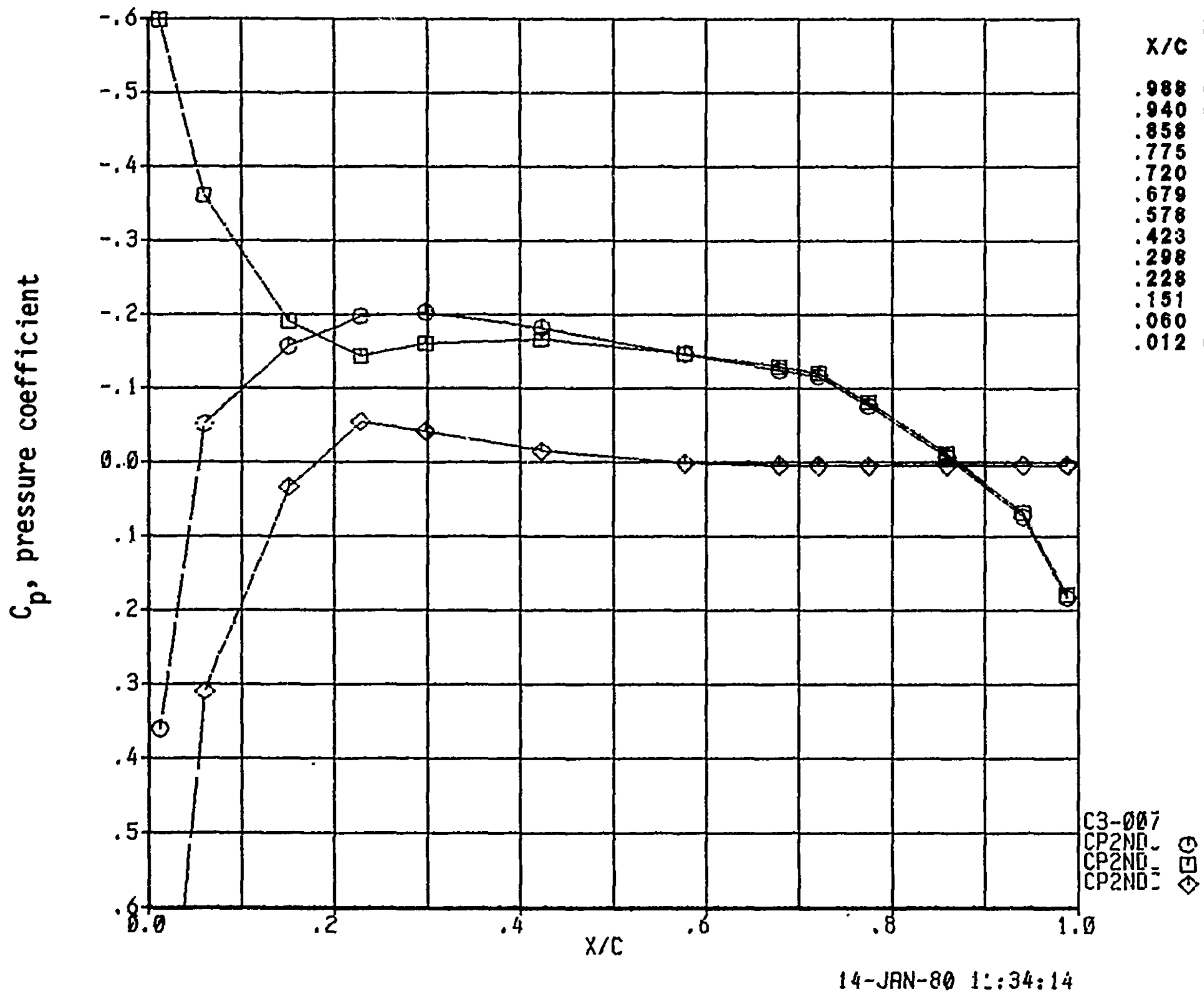



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1706 | 0.1761 | -.0054 |
| .940 | 0.0616 | 0.0698 | -.0082 |
| .858 | -.0174 | -.0055 | -.0120 |
| .775 | -.0802 | -.0645 | -.0158 |
| .720 | -.1233 | -.1054 | -.0179 |
| .679 | -.1301 | -.1106 | -.0196 |
| .578 | -.1533 | -.1244 | -.0288 |
| .423 | -.1977 | -.1344 | -.0633 |
| .298 | -.2354 | -.1195 | -.1160 |
| .228 | -.2463 | -.0928 | -.1536 |
| .151 | -.2367 | -.1134 | -.1233 |
| .060 | -.1996 | -.2042 | 0.0046 |
| .012 | 0.0815 | -.2221 | 0.3037 |

14-JAN-80 1[illegible]:33:54

Figure 319, Chordwise Pressure Distribution, Steady, Configuration 2

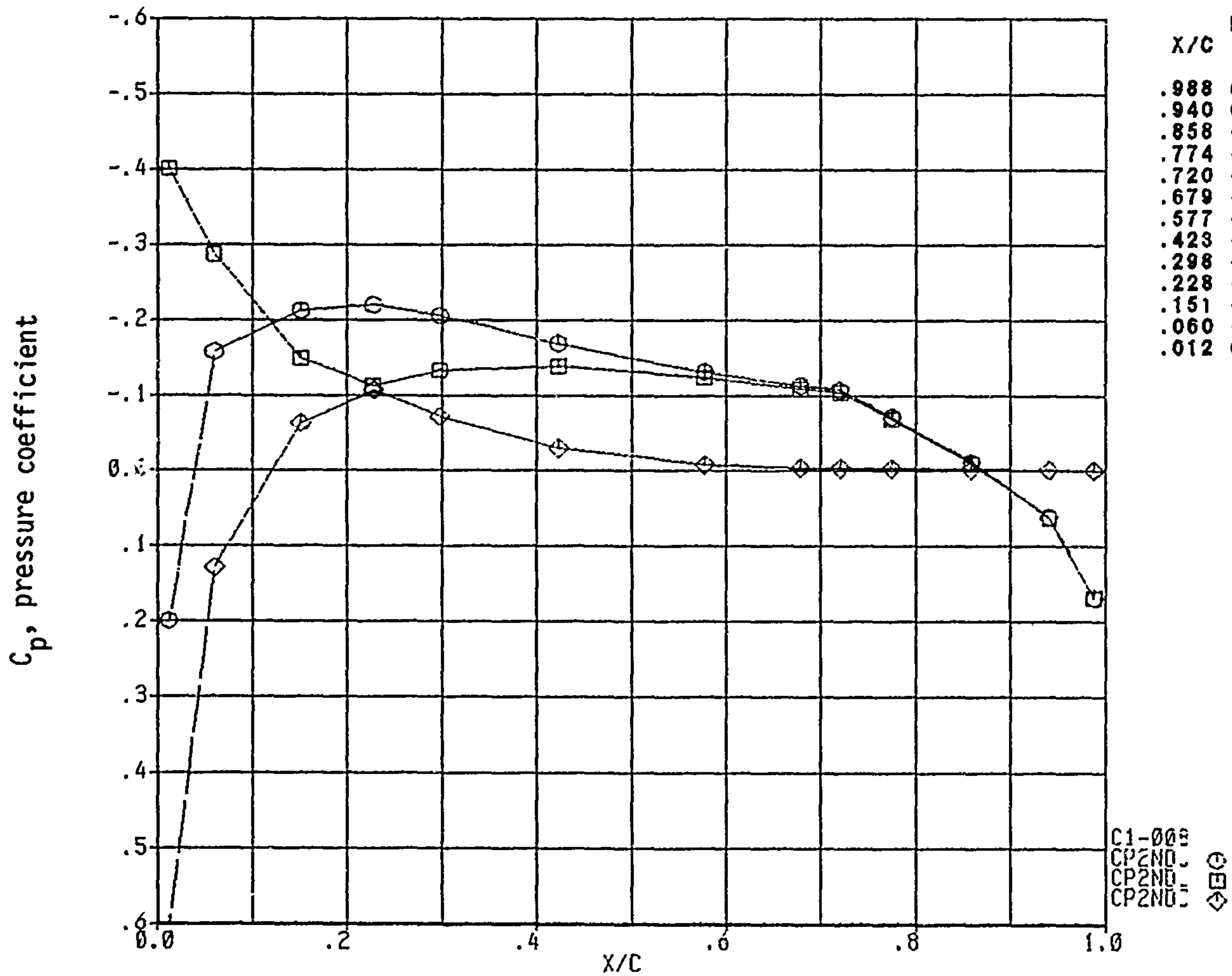
MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1751 | 0.1714 | 0.0037 |
| .940 | 0.0678 | 0.0636 | 0.0041 |
| .858 | -.0093 | -.0139 | 0.0046 |
| .775 | -.0700 | -.0748 | 0.0049 |
| .720 | -.1121 | -.1168 | 0.0047 |
| .679 | -.1181 | -.1227 | 0.0046 |
| .578 | -.1378 | -.1400 | 0.0022 |
| .423 | -.1730 | -.1590 | -.0140 |
| .298 | -.1982 | -.1562 | -.0420 |
| .228 | -.1972 | -.1418 | -.0555 |
| .151 | -.1607 | -.1911 | 0.0304 |
| .060 | -.0579 | -.3597 | 0.3019 |
| .012 | 0.3502 | -.5912 | 0.9414 |

Figure 320, Chordwise Pressure Distribution, Steady, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 1.9021

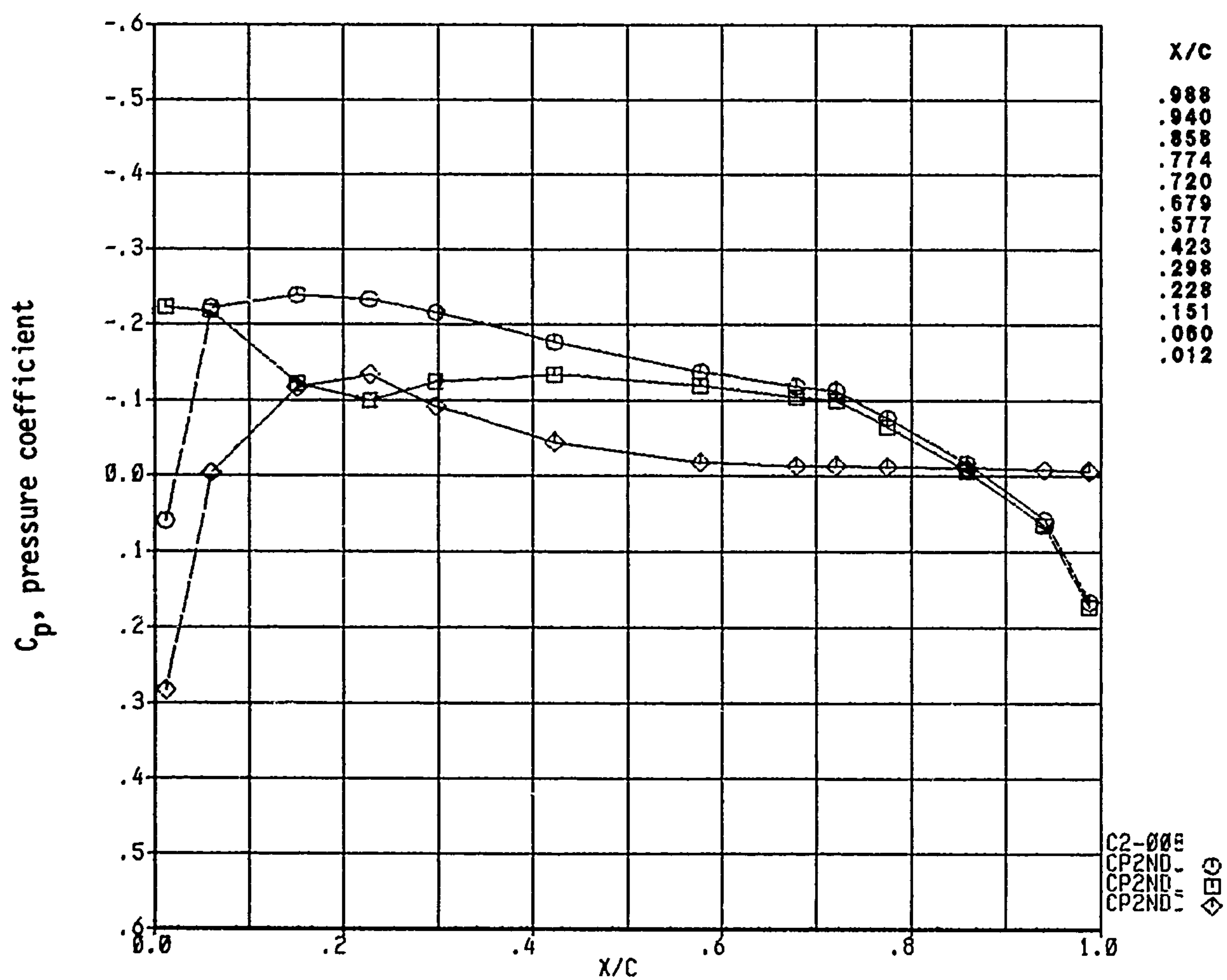



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1228 | 0.1231 | -.0003 |
| .940 | 0.0343 | 0.0354 | -.0010 |
| .858 | -.0198 | -.0178 | -.0020 |
| .774 | -.0620 | -.0590 | -.0030 |
| .720 | -.0940 | -.0902 | -.0038 |
| .679 | -.0966 | -.0929 | -.0037 |
| .577 | -.1094 | -.1036 | -.0058 |
| .423 | -.1397 | -.1154 | -.0243 |
| .298 | -.1722 | -.1123 | -.0599 |
| .228 | -.1900 | -.0944 | -.0956 |
| .151 | -.1680 | -.1331 | -.0549 |
| .060 | -.1879 | -.2819 | 0.0940 |
| .012 | 0.0594 | -.4437 | 0.5031 |

14-JAN-80 11:34:34

Figure 321, Chordwise Pressure Distribution, Steady, Configuration 2

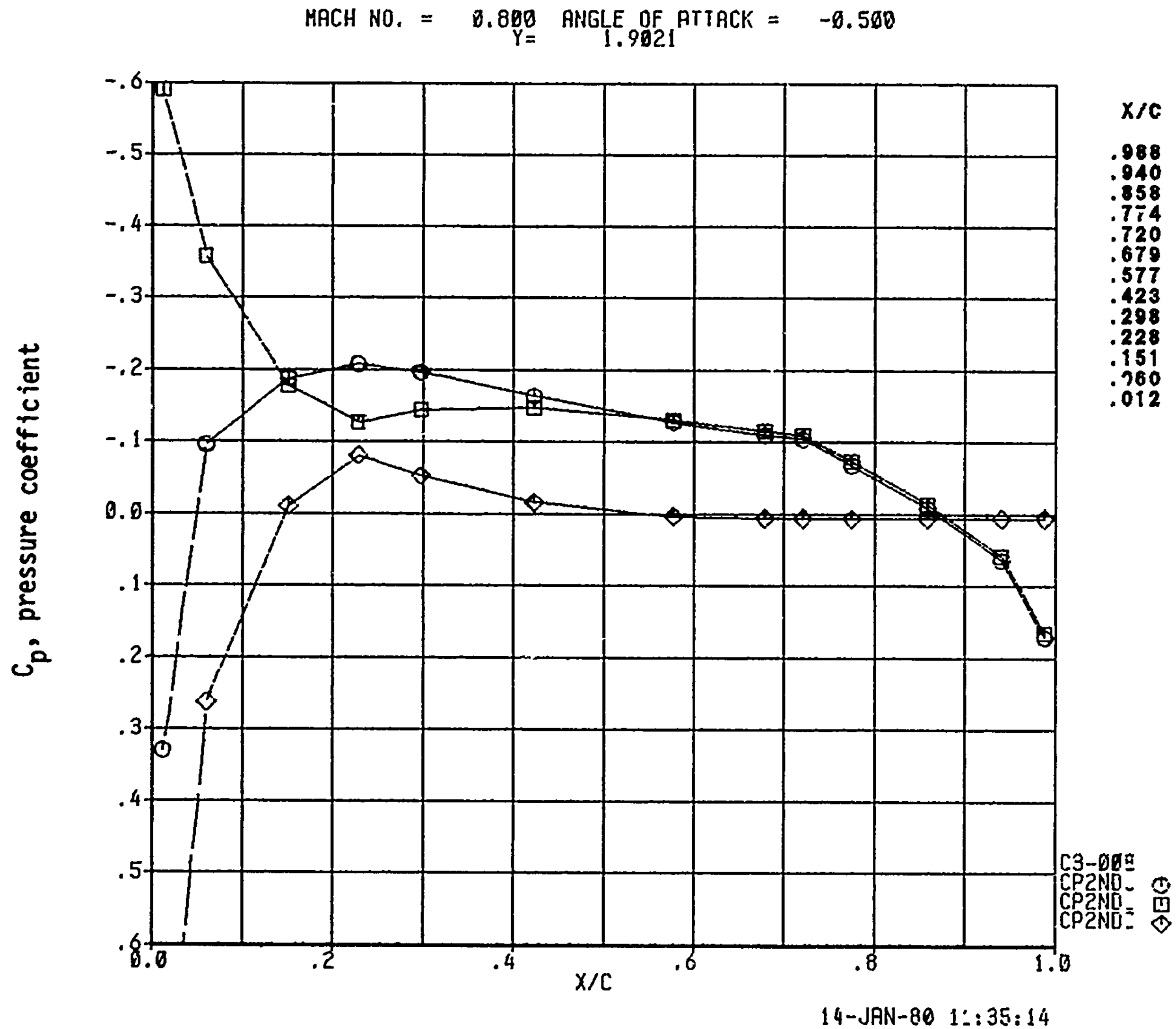
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1193 | 0.1261 | -.0067 |
| .940 | 0.0301 | 0.0391 | -.0090 |
| .858 | -.0248 | -.0135 | -.0114 |
| .774 | -.0674 | -.0541 | -.0134 |
| .720 | -.0994 | -.0853 | -.0142 |
| .679 | -.1020 | -.0881 | -.0139 |
| .577 | -.1151 | -.0984 | -.0167 |
| .423 | -.1472 | -.1083 | -.0389 |
| .298 | -.1817 | -.1030 | -.0787 |
| .228 | -.1996 | -.0844 | -.1152 |
| .151 | -.2162 | -.1042 | -.1119 |
| .060 | -.2571 | -.2053 | -.0519 |
| .012 | -.0899 | -.2494 | 0.1594 |

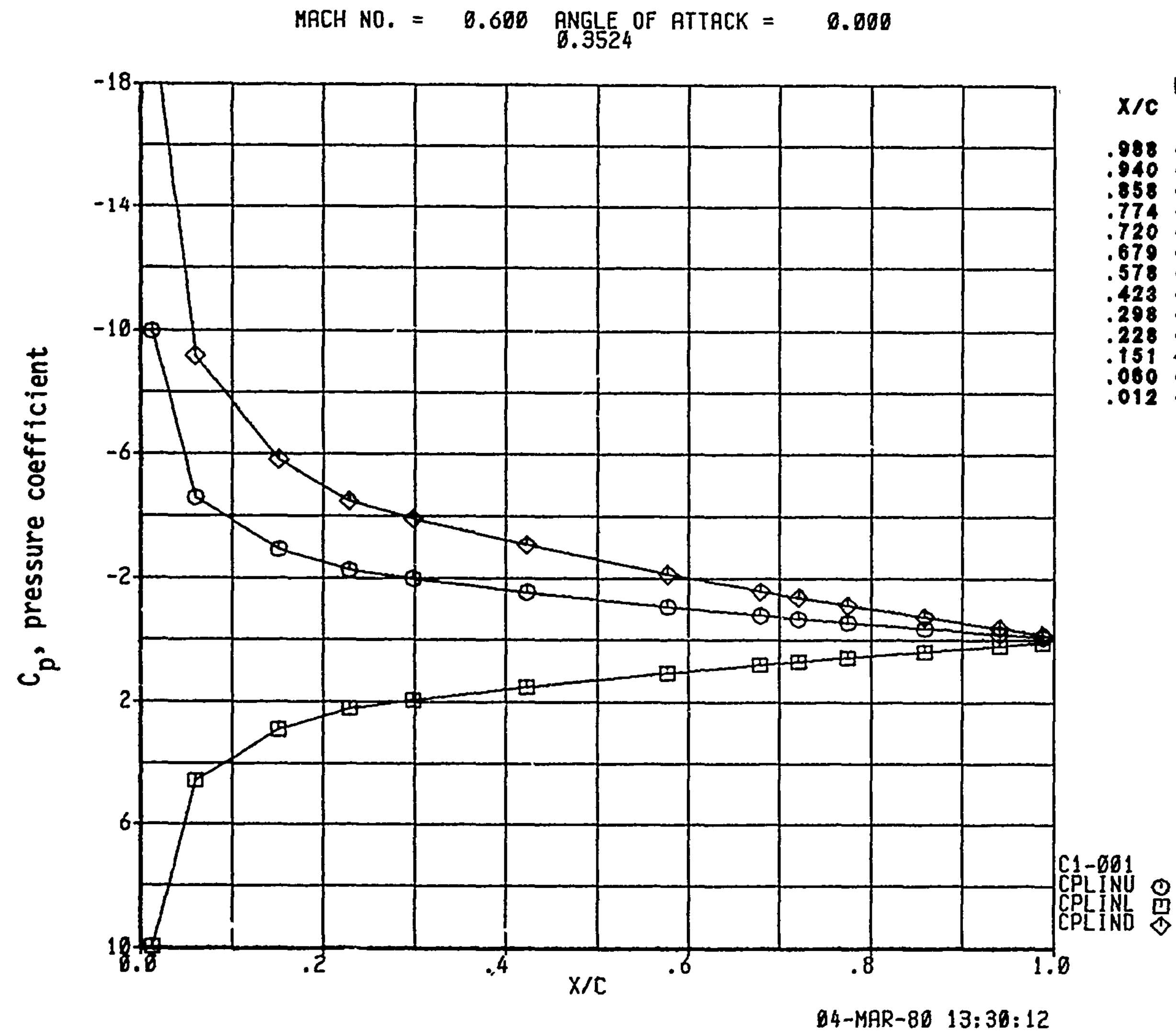
14-JAN-80 1:34:53

Figure 322, Chordwise Pressure Distribution, Steady, Configuration 2




| | PRESSURE | COEFFICIENT | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1256 | 0.1195 | 0.0061 |
| .940 | 0.0379 | 0.0310 | 0.0069 |
| .858 | -.0155 | -.0230 | 0.0074 |
| .774 | -.0572 | -.0646 | 0.0073 |
| .720 | -.0892 | -.0959 | 0.0066 |
| .679 | -.0920 | -.0984 | 0.0064 |
| .577 | -.1043 | -.1094 | 0.0051 |
| .423 | -.1328 | -.1231 | -.0097 |
| .298 | -.1632 | -.1221 | -.0411 |
| .228 | -.1809 | -.1048 | -.0761 |
| .151 | -.1603 | -.1624 | 0.0020 |
| .060 | -.1215 | -.3613 | 0.2399 |
| .012 | 0.1918 | -.6549 | 0.8467 |

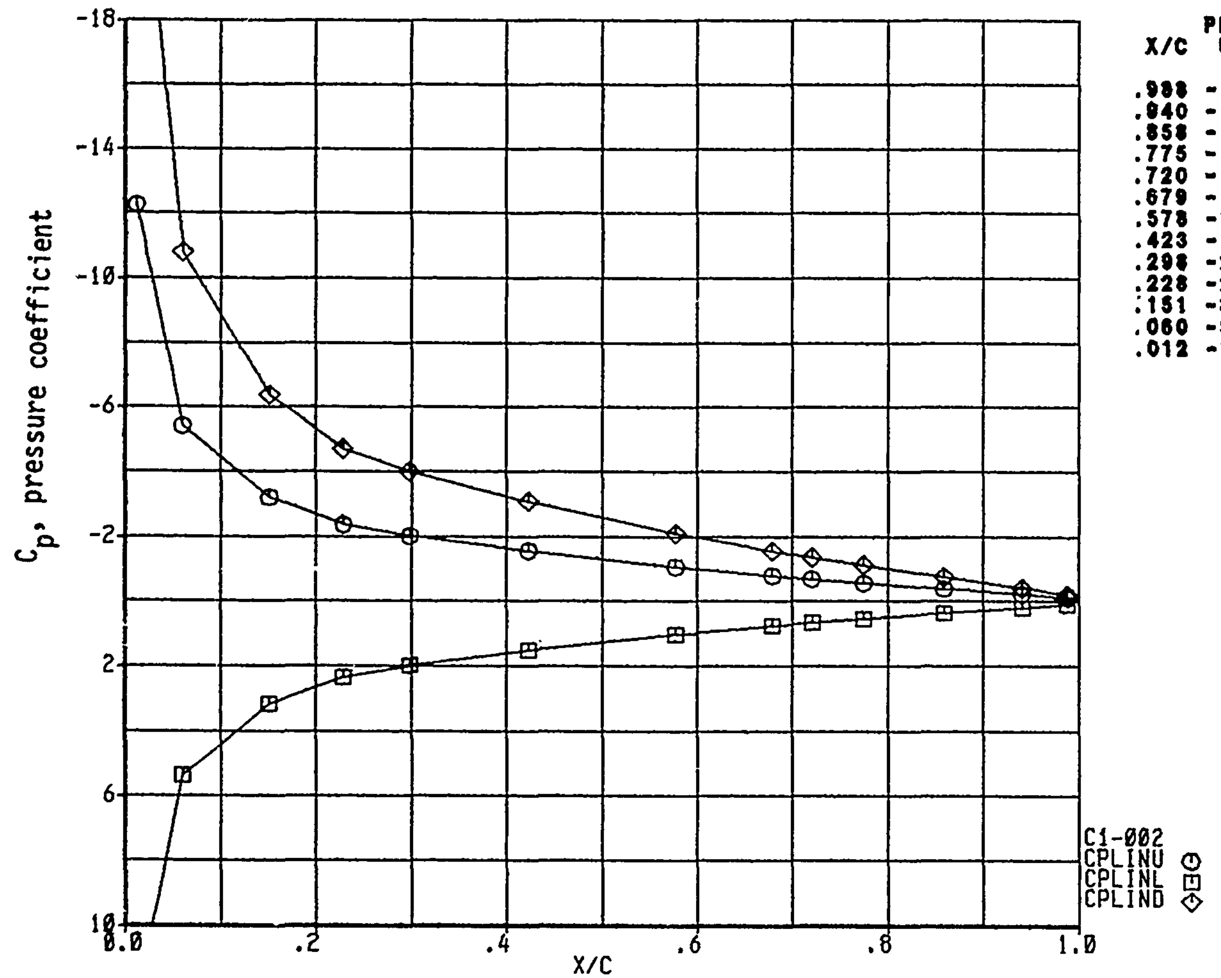
Figure 323, Chordwise Pressure Distribution, Steady, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0987 | 0.0818 | -.1805 |
| .940 | -.2059 | 0.1885 | -.3943 |
| .858 | -.3813 | 0.3632 | -.7445 |
| .774 | -.5741 | 0.5553 | -1.129 |
| .720 | -.7011 | 0.6818 | -1.383 |
| .679 | -.8012 | 0.7816 | -1.583 |
| .578 | -1.076 | 1.0558 | -2.132 |
| .423 | -1.551 | 1.5291 | -3.080 |
| .298 | -1.968 | 1.9457 | -3.914 |
| .228 | -2.251 | 2.2278 | -4.479 |
| .151 | -2.925 | 2.9018 | -5.827 |
| .060 | -4.599 | 4.5756 | -9.175 |
| .012 | -9.976 | 9.9518 | -19.93 |

Figure 324, Chordwise Pressure Distribution, Real, Configuration 2

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.6853

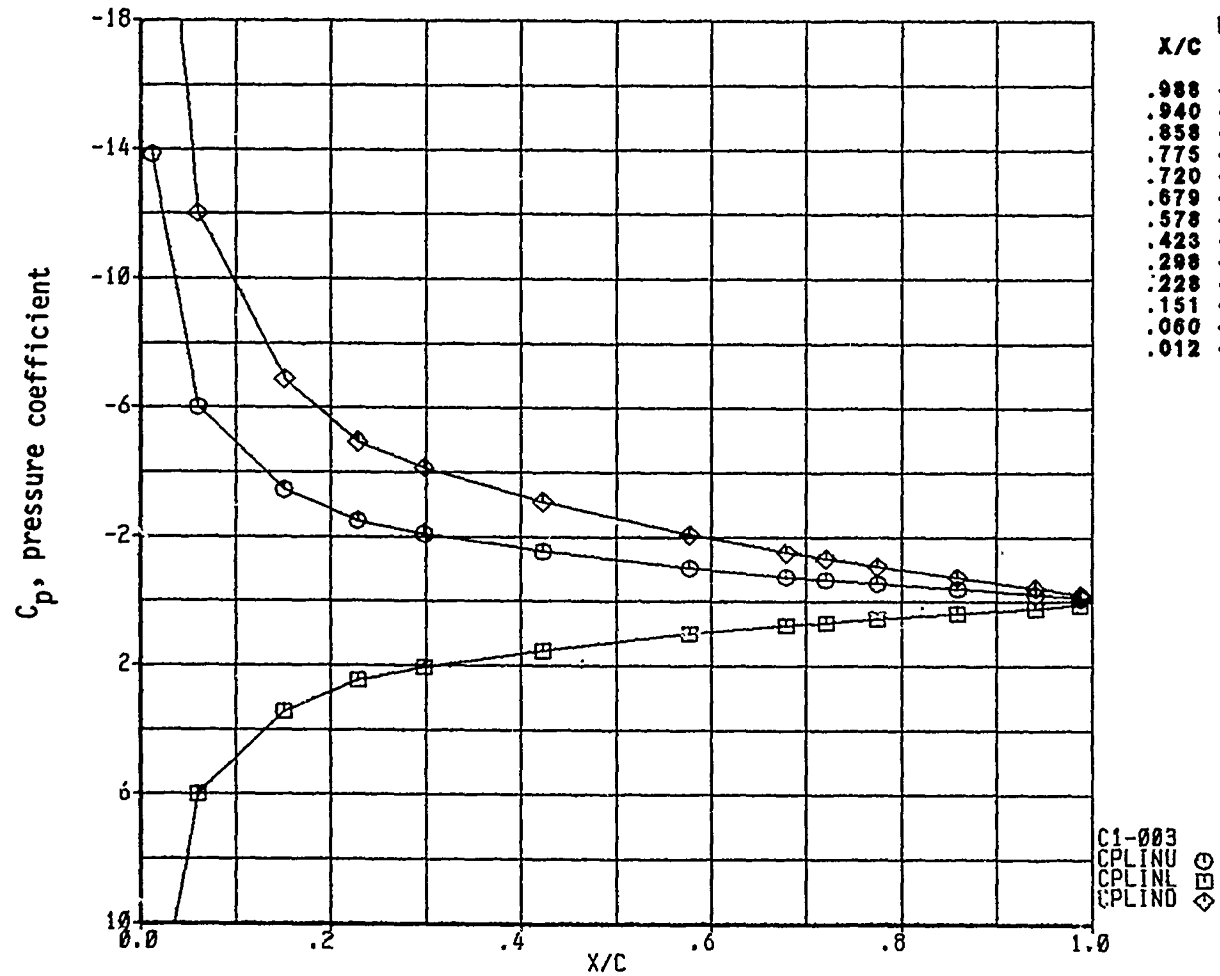



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1038 | 0.0870 | -.1909 |
| .940 | -.2132 | 0.1960 | -.4092 |
| .858 | -.3829 | 0.3650 | -.7479 |
| .775 | -:5647 | 0.5462 | -1.111 |
| .720 | -.6857 | 0.6668 | -1.353 |
| .679 | -.7821 | 0.7629 | -1.545 |
| .578 | -1.054 | 1.0342 | -2.088 |
| .423 | -1.544 | 1.5229 | -3.067 |
| .298 | -2.013 | 1.9916 | -4.005 |
| .228 | -2.357 | 2.3351 | -4.692 |
| :151 | -3.202 | 3.1794 | -6.381 |
| .060 | -5.409 | 5.3863 | -10.80 |
| .012 | -12.26 | 12.234 | -24.49 |

04-MAR-80 13:30:35

Figure 325, Chordwise Pressure Distribution, Real, Configuration 2

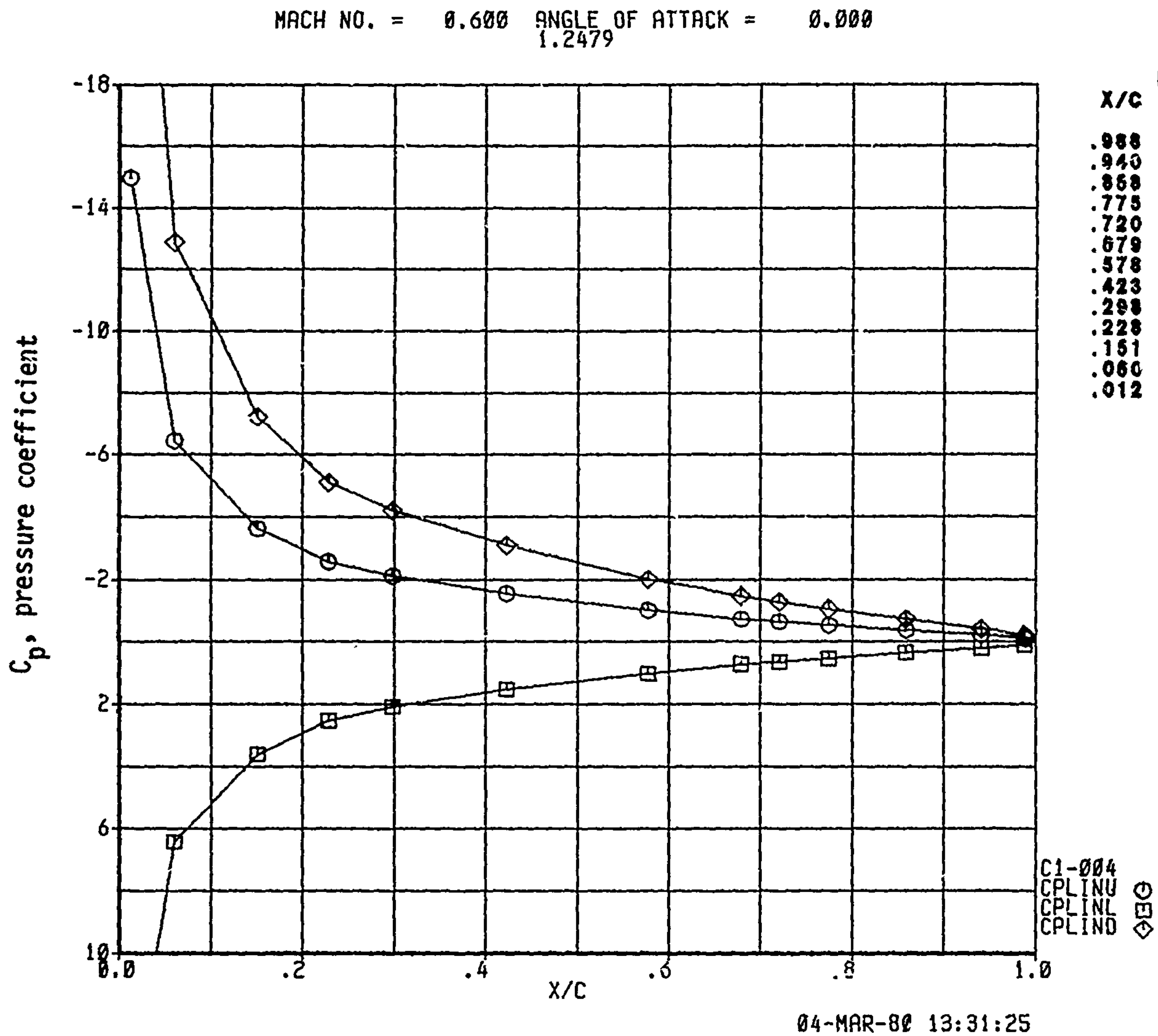
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1077 | 0.0910 | -.1987 |
| .940 | -.2177 | 0.2009 | -.4186 |
| .858 | -.3821 | 0.3647 | -.7469 |
| .775 | -.5574 | 0.5394 | -1.097 |
| .720 | -.6760 | 0.6577 | -1.334 |
| .679 | -.7696 | 0.7510 | -1.521 |
| .578 | -1.043 | 1.0235 | -2.066 |
| .423 | -1.558 | 1.5373 | -3.095 |
| .298 | -2.082 | 2.0610 | -4.143 |
| .228 | -2.479 | 2.4580 | -4.937 |
| .151 | -3.456 | 3.4342 | -6.890 |
| .060 | -6.026 | 6.0039 | -12.03 |
| .012 | -13.85 | 13.826 | -27.68 |

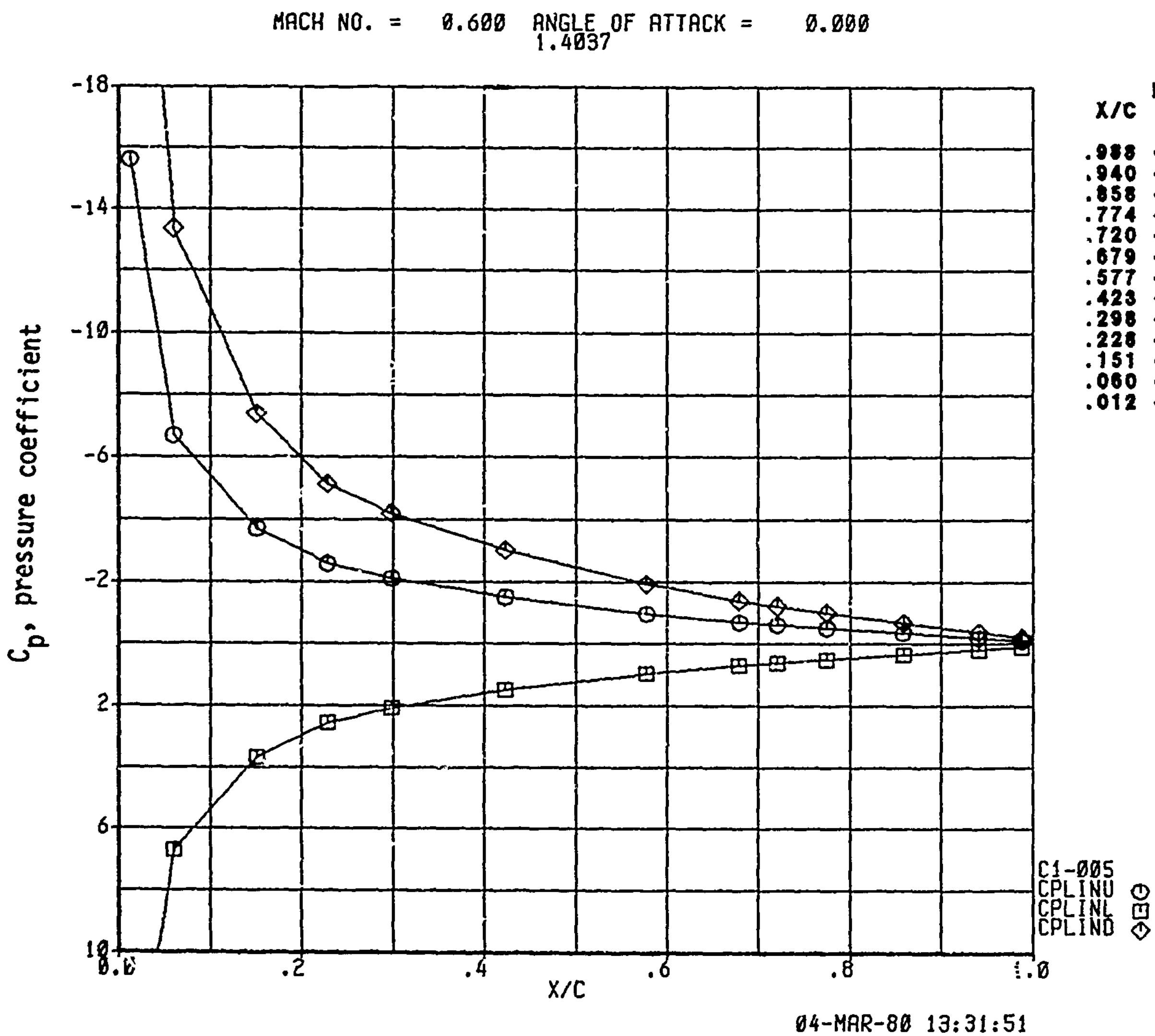
04-MAR-80 13:31:07

Figure 326, Chordwise Pressure Distribution, Real, Configuration 2



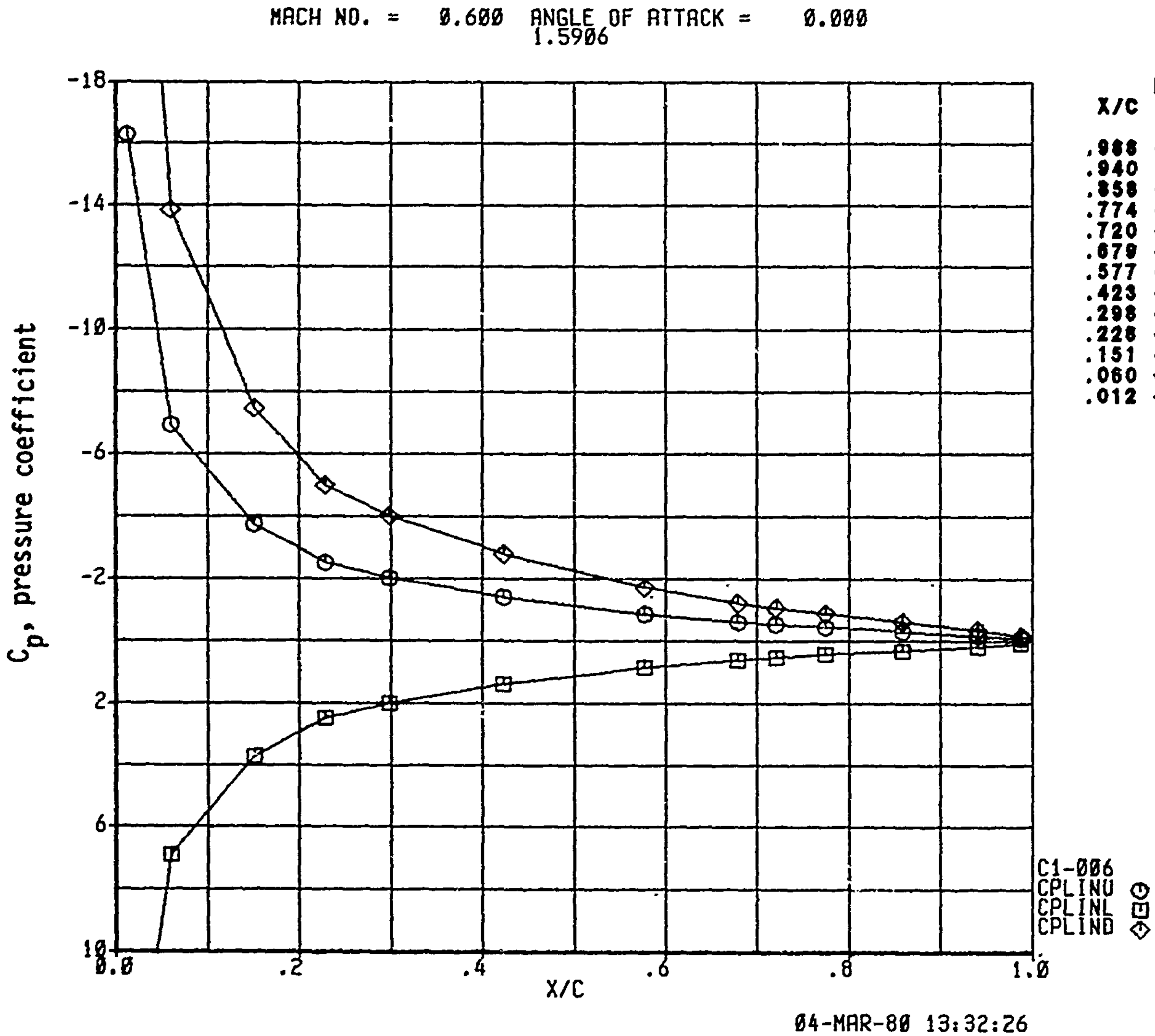

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1065 | 0.0902 | -.1967 |
| .940 | -.2139 | 0.1974 | -.4112 |
| .868 | -.3706 | 0.3536 | -.7243 |
| .775 | -.5367 | 0.5192 | -1.056 |
| .720 | -.6504 | 0.6325 | -1.283 |
| .679 | -.7405 | 0.7225 | -1.463 |
| .578 | -1.014 | 0.9957 | -2.010 |
| .423 | -1.549 | 1.5295 | -3.079 |
| .298 | -2.116 | 2.0960 | -4.212 |
| .228 | -2.557 | 2.5367 | -5.094 |
| .151 | -3.627 | 3.6064 | -7.234 |
| .060 | -6.457 | 6.4351 | -12.89 |
| .012 | -14.97 | 14.946 | -29.91 |

Figure 327, Chordwise Pressure Distribution, Real, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1029 | 0.0868 | -.1897 |
| .940 | -.2057 | 0.1893 | -.3950 |
| .858 | -.3542 | 0.3374 | -.6916 |
| .774 | -.5099 | 0.4928 | -1.003 |
| .720 | -.6159 | 0.5985 | -1.214 |
| .679 | -.7016 | 0.6839 | -1.385 |
| .577 | -.9718 | 0.9537 | -1.925 |
| .423 | -1.518 | 1.4991 | -3.017 |
| .298 | -2.108 | 2.0879 | -4.195 |
| .228 | -2.573 | 2.5534 | -5.127 |
| .151 | -3.708 | 3.6880 | -7.396 |
| .060 | -6.702 | 6.6814 | -13.38 |
| .012 | -15.62 | 15.598 | -31.22 |

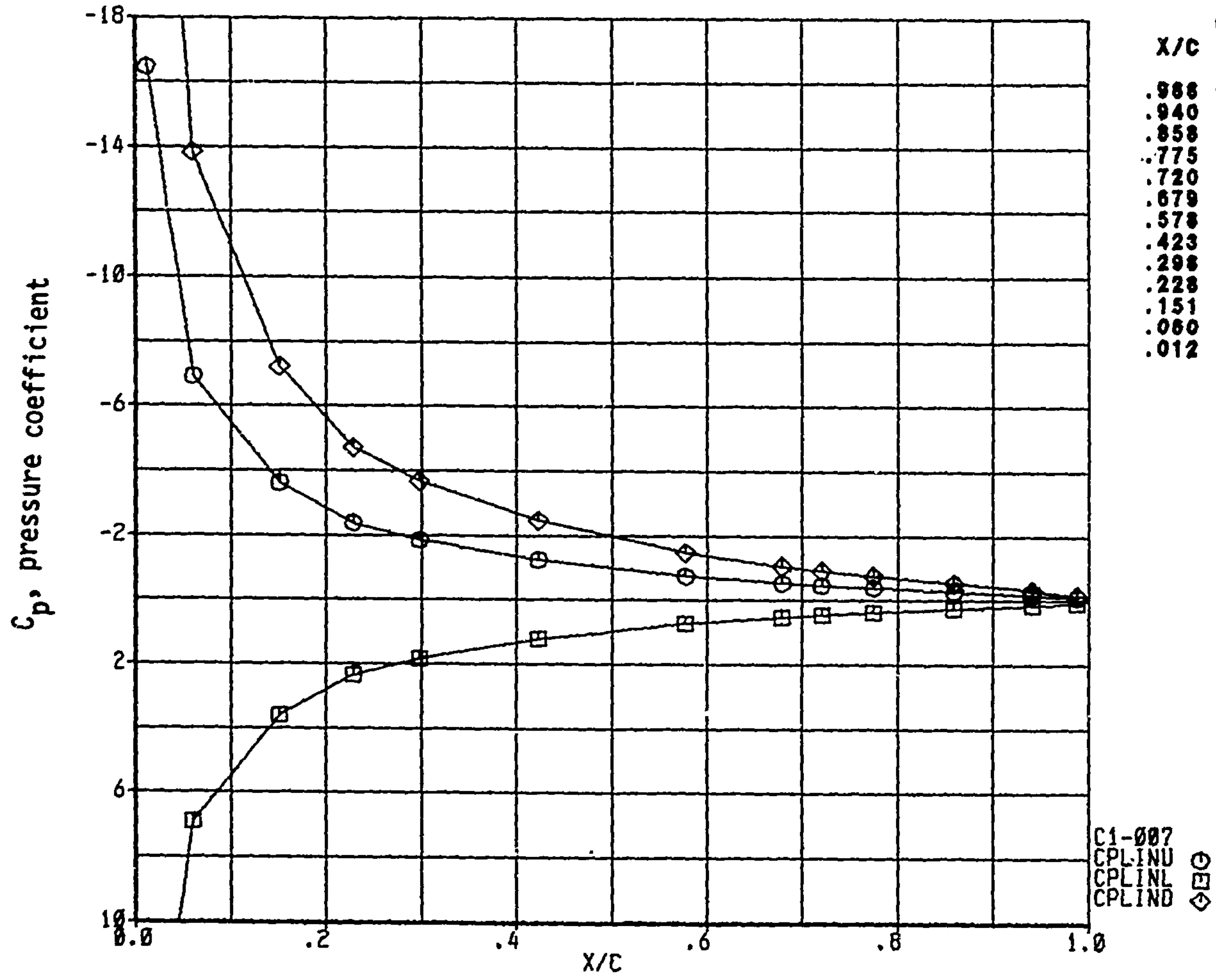
Figure 328, Chordwise Pressure Distribution, Real, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0932 | 0.0774 | -.1706 |
| .940 | -.1845 | 0.1685 | -.3531 |
| .858 | -.3144 | 0.2981 | -.6124 |
| .774 | -.4500 | 0.4333 | -.8834 |
| .720 | -.5422 | 0.5252 | -1.067 |
| .679 | -.6161 | 0.5990 | -1.215 |
| .577 | -.8640 | 0.8463 | -1.710 |
| .423 | -1.408 | 1.3899 | -2.798 |
| .298 | -2.021 | 2.0020 | -4.023 |
| .228 | -2.511 | 2.4916 | -5.002 |
| .151 | -3.743 | 3.7235 | -7.466 |
| .060 | -6.929 | 6.9098 | -13.84 |
| .012 | -16.28 | 16.262 | -32.54 |

Figure 329, Chordwise Pressure Distribution, Real, Configuration 2

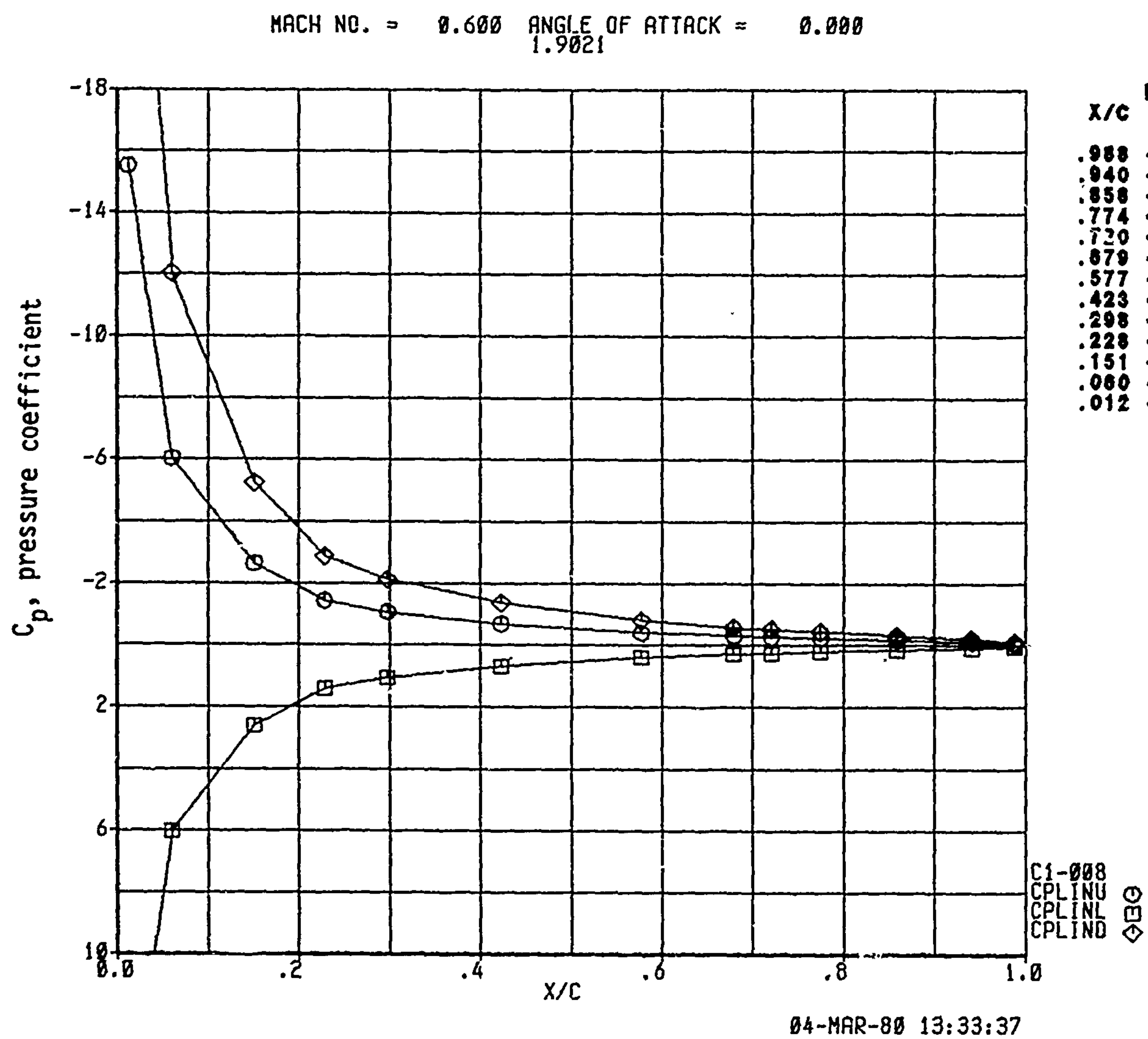
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .986 | -.0834 | 0.0879 | -.1513 |
| .940 | -.1631 | 0.147[illegible] | -.3105 |
| .858 | -.2730 | 0.25[illegible]9 | -.5298 |
| .775 | -.3896 | 0.37[illegible]2 | -.7627 |
| .720 | -.4702 | 0.4535 | -.9237 |
| .679 | -.5325 | 0.5157 | -1.048 |
| .578 | -.7466 | 0.7293 | -1.476 |
| .423 | -1.242 | 1.2246 | -2.467 |
| .298 | -1.850 | 1.8318 | -3.682 |
| .228 | -2.369 | 2.3509 | -4.720 |
| .151 | -3.624 | 3.6047 | -7.228 |
| .060 | -6.928 | 6.9092 | -13.84 |
| .012 | -16.48 | 16.458 | -32.94 |

04-MAR-80 13:33:01

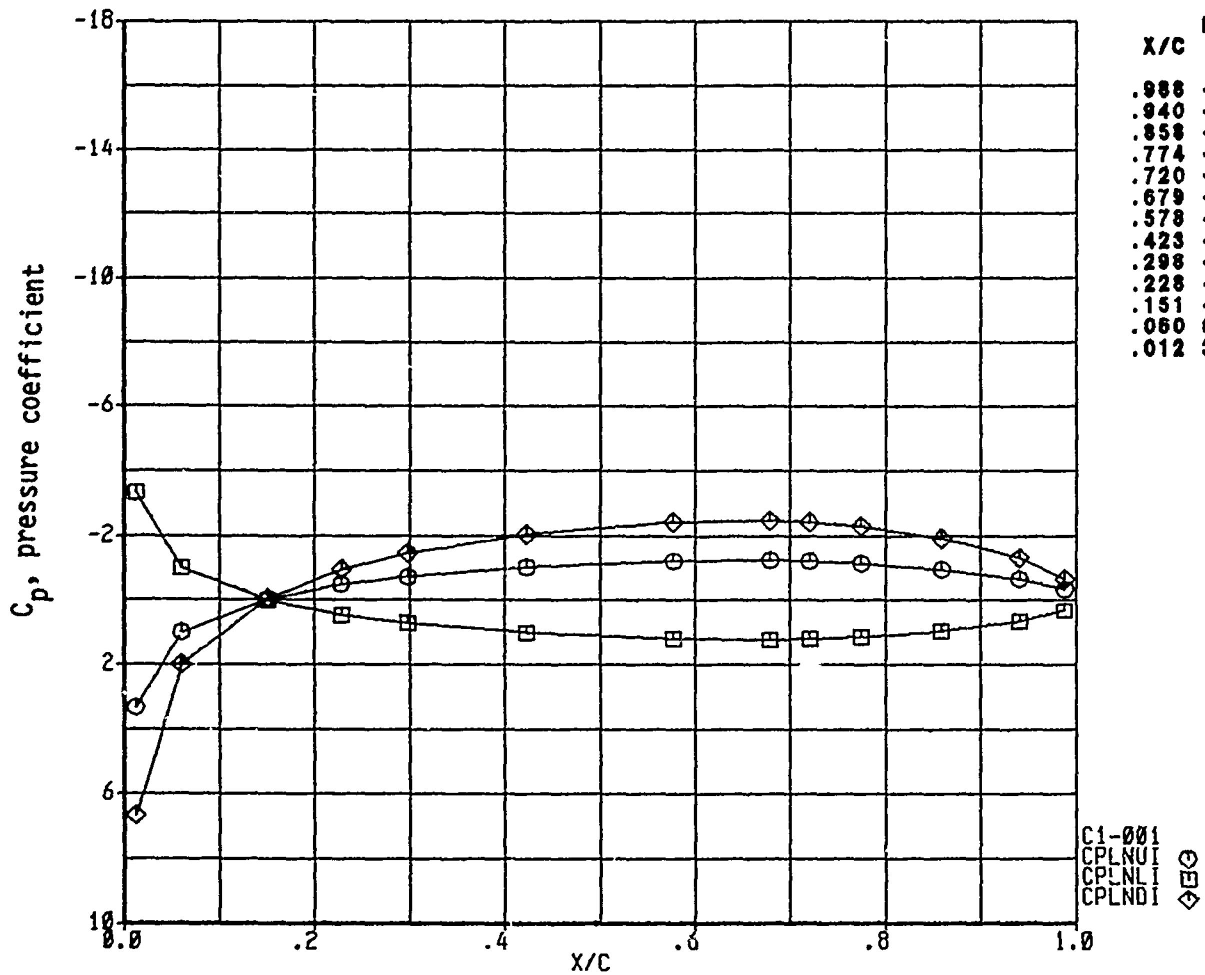
Figure 330, Chordwise Pressure Distribution, Real, Configuration 2




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.0567 | 0.0415 | -.0982 |
| .940 | -.1045 | 0.0893 | -.1938 |
| .858 | -.1649 | 0.1493 | -.3142 |
| .774 | -.2273 | 0.2115 | -.4388 |
| .720 | -.2694 | 0.2534 | -.5227 |
| .679 | -.3016 | 0.2854 | -.5870 |
| .577 | -.4107 | 0.3942 | -.8050 |
| .423 | -.6929 | 0.6759 | -1.369 |
| .298 | -1.069 | 1.0516 | -2.120 |
| .228 | -1.444 | 1.4259 | -2.869 |
| .151 | -2.634 | 2.6157 | -5.249 |
| .060 | -6.034 | 6.0160 | -12.05 |
| .012 | -15.52 | 15.507 | -31.03 |

Figure 331, Chordwise Pressure Distribution, Real, Configuration 2

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.3524

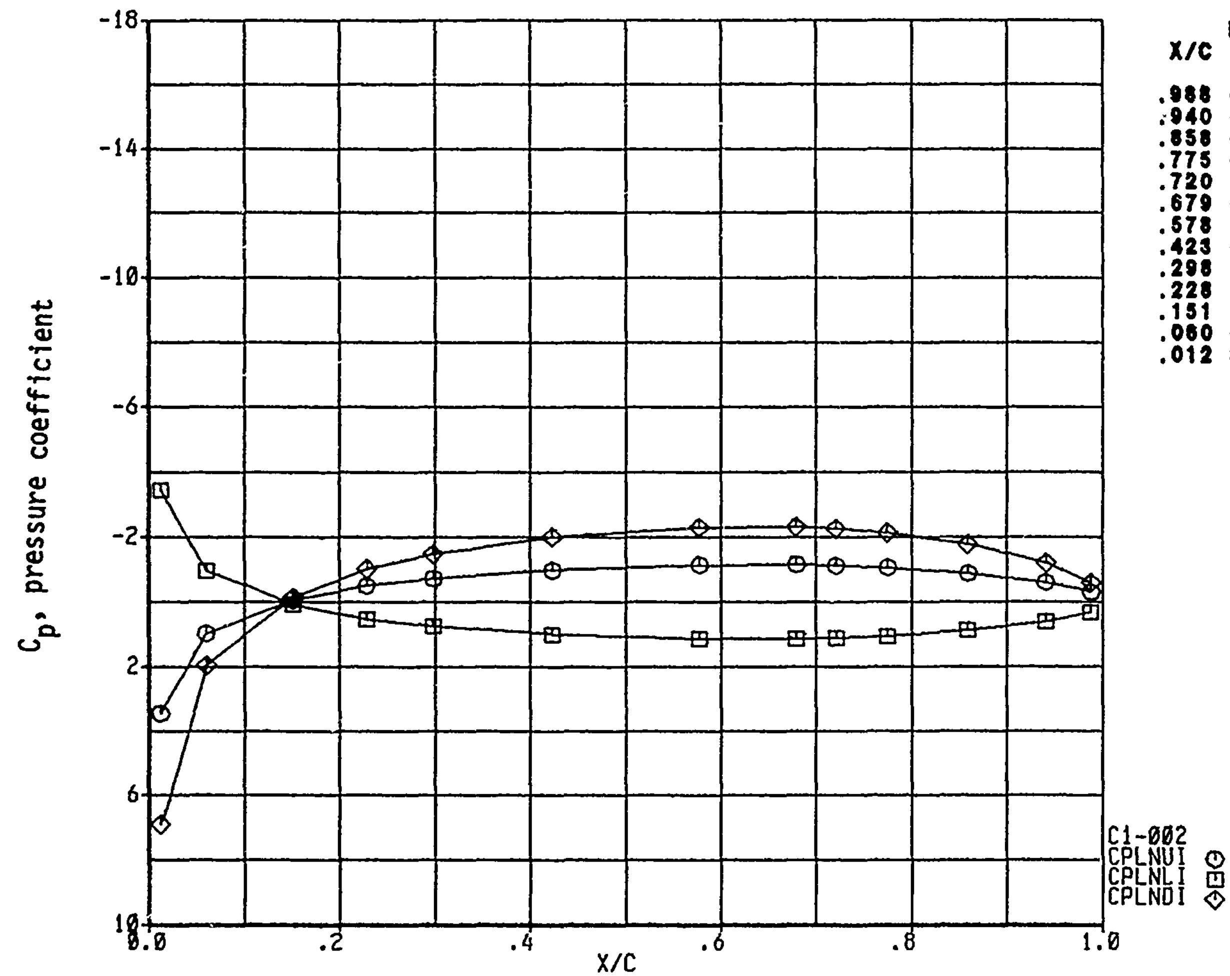



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3319 | 0.3230 | -.6549 |
| .940 | -.6591 | 0.6503 | -1.309 |
| .858 | -.9633 | 0.9548 | -1.918 |
| .774 | -1.150 | 1.1417 | -2.292 |
| .720 | -1.215 | 1.2072 | -2.422 |
| .679 | -1.237 | 1.2292 | -2.466 |
| .578 | -1.216 | 1.2091 | -2.425 |
| .423 | -1.026 | 1.0203 | -2.046 |
| .298 | -.7293 | 0.7246 | -1.454 |
| .228 | -.4824 | 0.4784 | -.9608 |
| .151 | -.0193 | 0.0161 | -.0354 |
| .060 | 0.9913 | -.9934 | 1.9846 |
| .012 | 3.3268 | -3.328 | 6.6549 |

04-MAR-80 13:35:36

Figure 332, Chordwise Pressure Distribution, Imaginary, Configuration 2

MACH NO. = Ø.6ØØ ANGLE OF ATTACK = Ø.ØØØ
Ø.6853

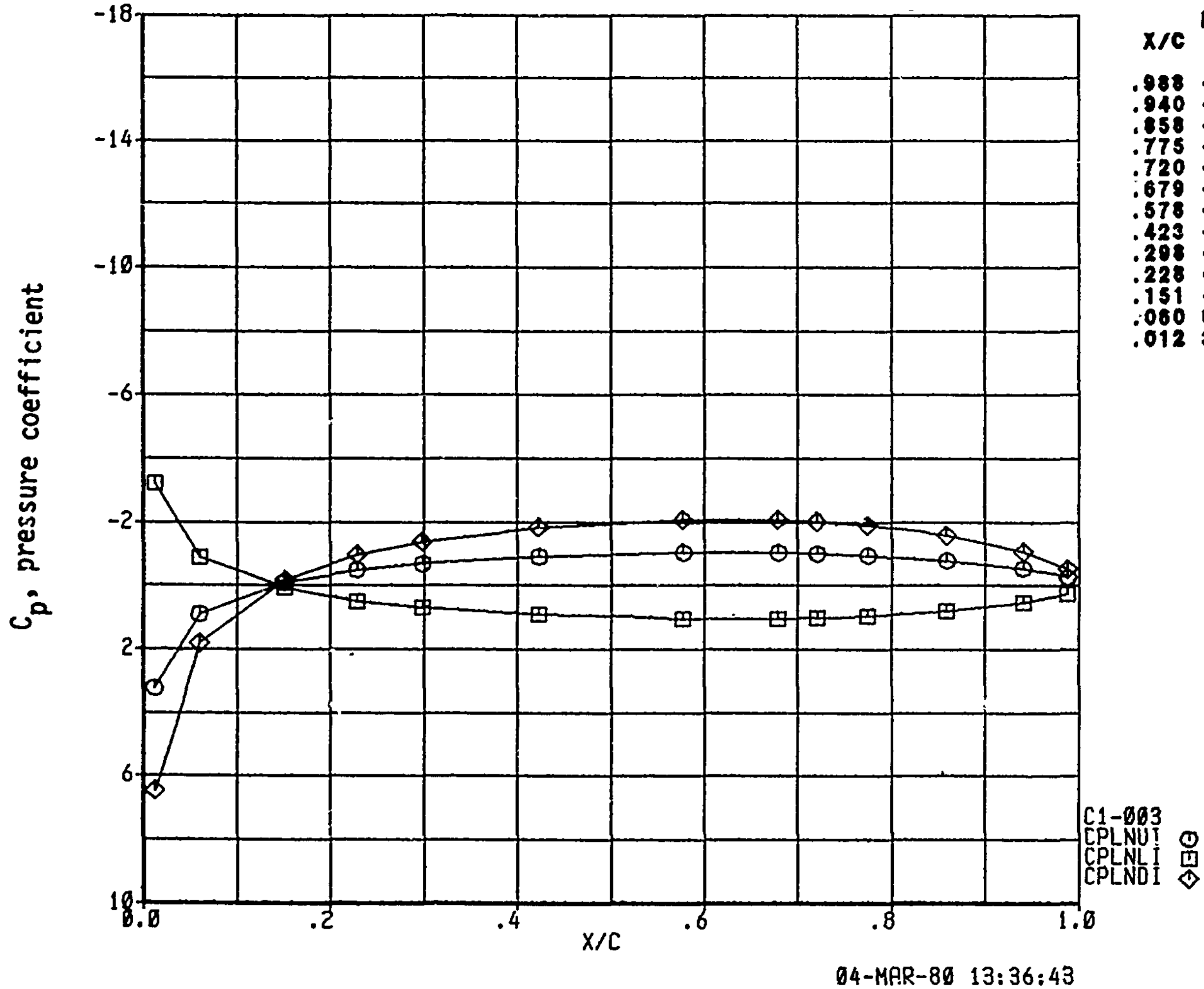



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3044 | 0.2955 | -.5998 |
| .940 | -.6081 | 0.5993 | -1.207 |
| .858 | -.8915 | 0.8829 | -1.774 |
| .775 | -1.066 | 1.0579 | -2.124 |
| .720 | -1.130 | 1.1221 | -2.252 |
| .679 | -1.155 | 1.1473 | -2.303 |
| .578 | -1.150 | 1.1425 | -2.292 |
| .423 | -.9991 | 0.9927 | -1.992 |
| .298 | -.7410 | 0.7354 | -1.476 |
| .228 | -.5159 | 0.5109 | -1.027 |
| .151 | -.0713 | 0.0669 | -.1382 |
| .060 | 0.9740 | -.9775 | 1.9515 |
| .012 | 3.4476 | -3.451 | 6.8981 |

Ø4-MAR-8Ø 13:36:ØØ

Figure 333, Chordwise Pressure Distribution, Imaginary, Configuration 2

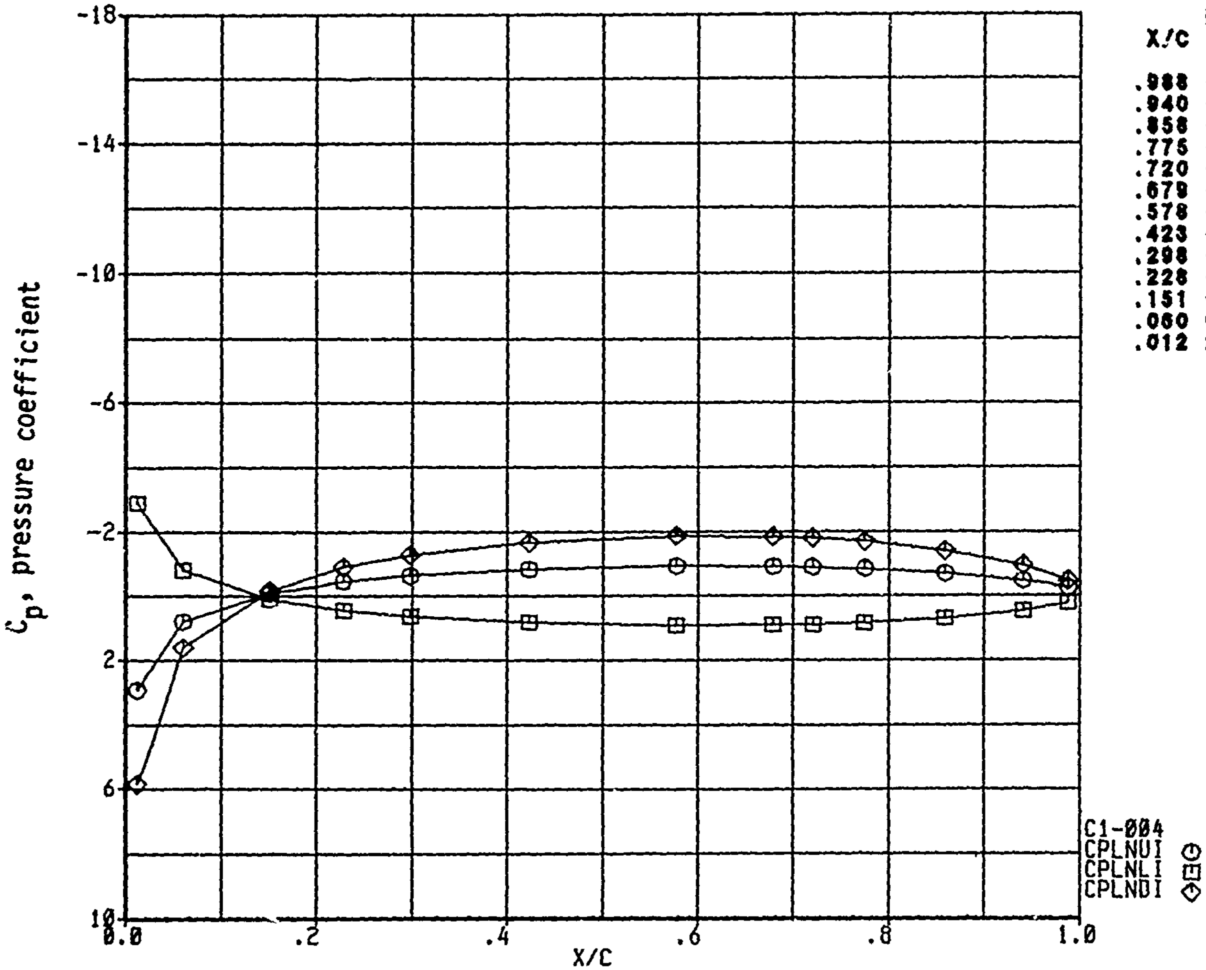
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2693 | 0.2603 | -.5295 |
| .940 | -.5414 | 0.5326 | -1.074 |
| .858 | -.7977 | 0.7890 | -1.587 |
| .775 | -.9565 | 0.9481 | -1.905 |
| .720 | -1.016 | 1.0077 | -2.024 |
| .679 | -1.042 | 1.0336 | -2.075 |
| .578 | -1.046 | 1.0379 | -2.083 |
| .423 | -.9237 | 0.9167 | -1.840 |
| .298 | -.6971 | 0.6907 | -1.388 |
| .228 | -.4938 | 0.4879 | -.9816 |
| .151 | -.0847 | 0.0793 | -.1641 |
| .060 | 0.8998 | -.9046 | 1.8045 |
| .012 | 3.2304 | -3.235 | 6.4652 |

Figure 334, Chordwise Pressure Distribution, Imaginary, Configuration 2

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.2479

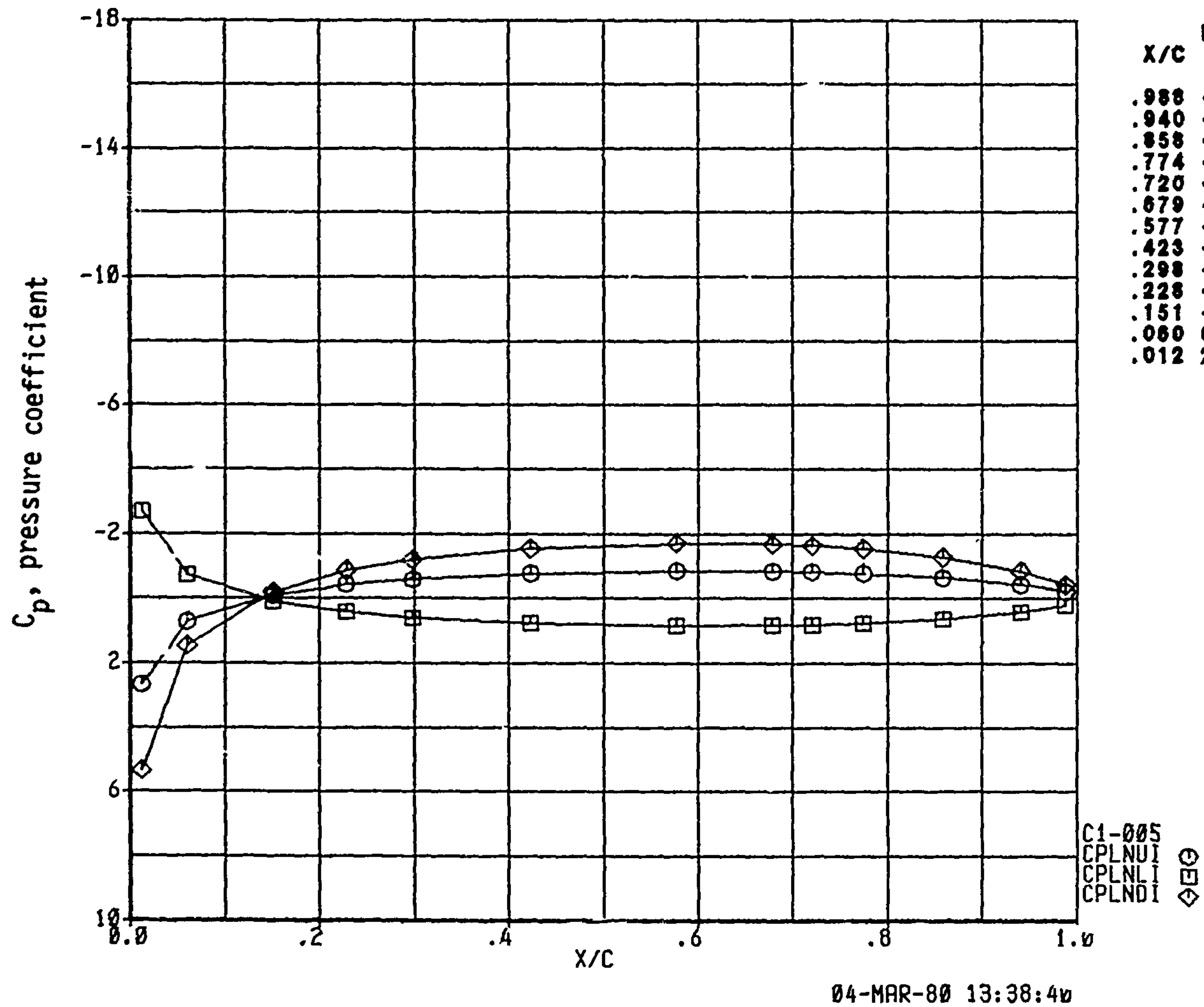



04-MAR-80 13:38:12

| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.2373 | 0.2283 | -.4656 |
| .940 | -.4774 | 0.4686 | -.9460 |
| .858 | -.7051 | 0.6963 | -1.401 |
| .775 | -.8478 | 0.8392 | -1.687 |
| .720 | -.9023 | 0.8939 | -1.796 |
| .679 | -.9268 | 0.9185 | -1.845 |
| .578 | -.9358 | 0.9278 | -1.864 |
| .423 | -.8371 | 0.8296 | -1.667 |
| .298 | -.6403 | 0.6333 | -1.273 |
| .228 | -.4593 | 0.4527 | -.9120 |
| .151 | -.0928 | 0.0865 | -.1794 |
| .060 | 0.8016 | -.8074 | 1.6090 |
| .012 | 2.9153 | -2.921 | 5.8360 |

Figure 335, Chordwise Pressure Distribution, Imaginary, Configuration 2

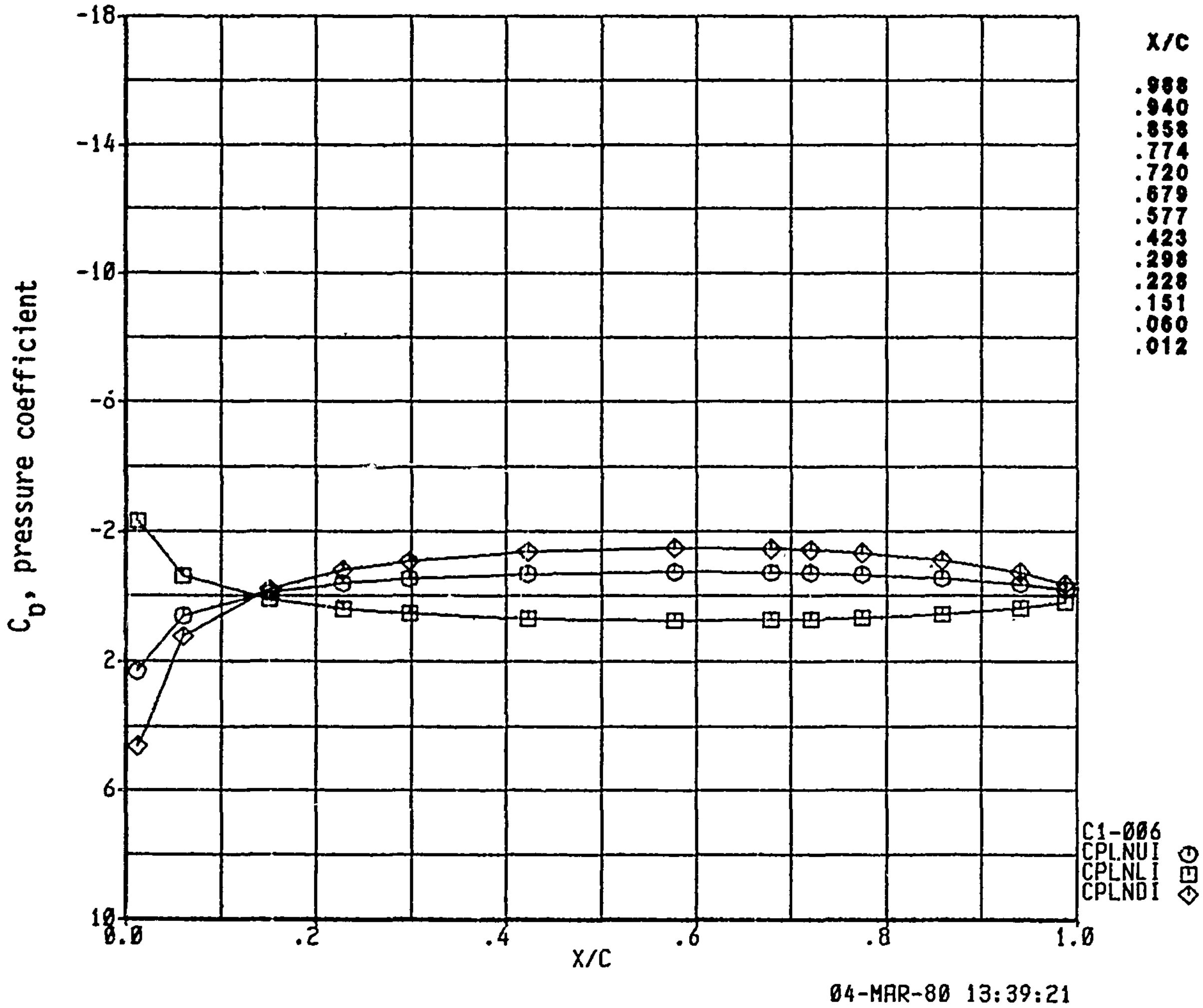
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2167 | 0.2077 | -.4243 |
| .940 | -.4337 | 0.4248 | -.8584 |
| .858 | -.6401 | 0.6312 | -1.271 |
| .774 | -.7716 | 0.7630 | -1.535 |
| .720 | -.8228 | 0.8143 | -1.637 |
| .679 | -.8458 | 0.8373 | -1.683 |
| .577 | -.8573 | 0.8491 | -1.707 |
| .423 | -.7741 | 0.7664 | -1.540 |
| .298 | -.5995 | 0.5921 | -1.191 |
| .228 | -.4357 | 0.4287 | -.8644 |
| .151 | -.0996 | 0.0928 | -.1925 |
| .060 | 0.7259 | -.7323 | 1.4582 |
| .012 | 2.6713 | -2.677 | 5.3487 |

Figure 336, Chordwise Pressure Distribution, Imaginary, Configuration 2

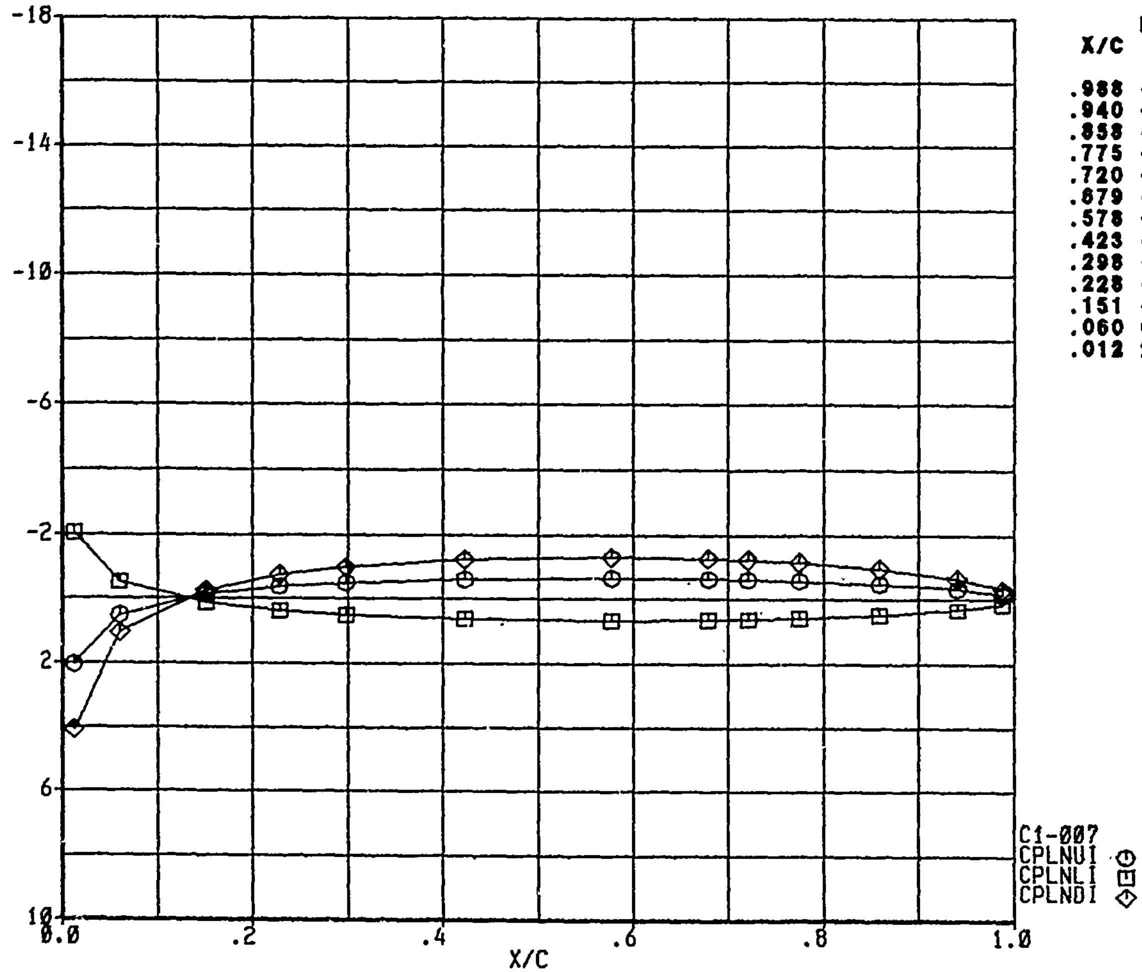
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1878 | 0.1787 | -.3664 |
| .940 | -.3753 | 0.3663 | -.7415 |
| .858 | -.5523 | 0.5434 | -1.096 |
| .774 | -.6666 | 0.6578 | -1.324 |
| .720 | -.7117 | 0.7031 | -1.415 |
| .679 | -.7328 | 0.7242 | -1.457 |
| .577 | -.7482 | 0.7398 | -1.488 |
| .423 | -.6875 | 0.6794 | -1.367 |
| .298 | -.5449 | 0.5371 | -1.082 |
| .228 | -.4070 | 0.3996 | -.8066 |
| .151 | -.1138 | 0.1065 | -.2205 |
| .060 | 0.6102 | -.6172 | 1.2273 |
| .012 | 2.3087 | -2.316 | 4.6244 |

Figure 337, Chordwise Pressure Distribution, Imaginary, Configuration 2

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.7035

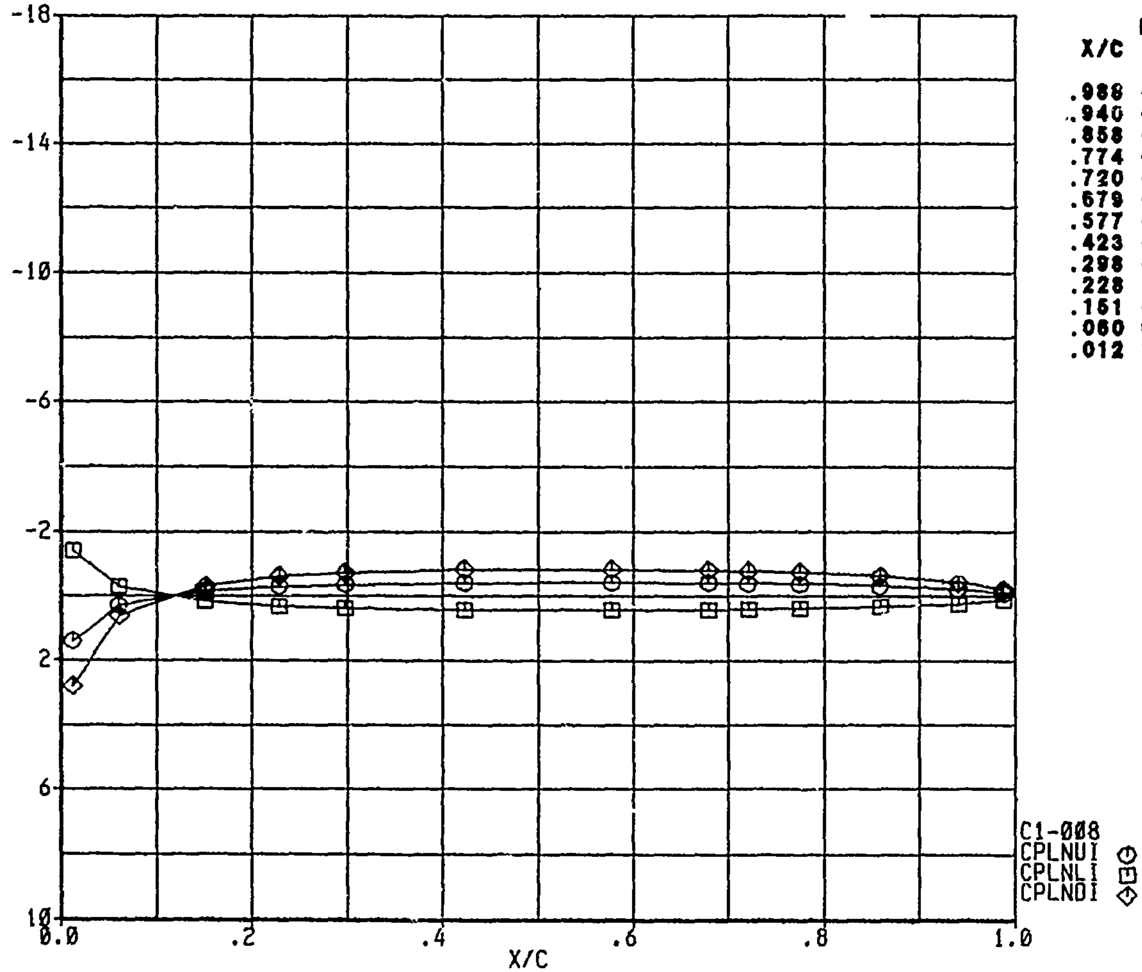



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1636 | 0.1545 | -.3181 |
| .940 | -.3310 | 0.3220 | -.6530 |
| .858 | -.4884 | 0.4794 | -.9677 |
| .775 | -.5861 | 0.5773 | -1.163 |
| .720 | -.6242 | 0.6154 | -1.240 |
| .679 | -.6442 | 0.6365 | -1.280 |
| .578 | -.6622 | 0.6537 | -1.316 |
| .423 | -.6200 | 0.6117 | -1.232 |
| .298 | -.5033 | 0.4953 | -.9986 |
| .228 | -.3844 | 0.3766 | -.7610 |
| .151 | -.1301 | 0.1224 | -.2525 |
| .060 | 0.5188 | -.5263 | 1.0451 |
| .012 | 2.0358 | -2.043 | 4.0789 |

04-MAR-80 13:40:10

Figure 338, Chordwise Pressure Distribution, Imaginary, Configuration 2

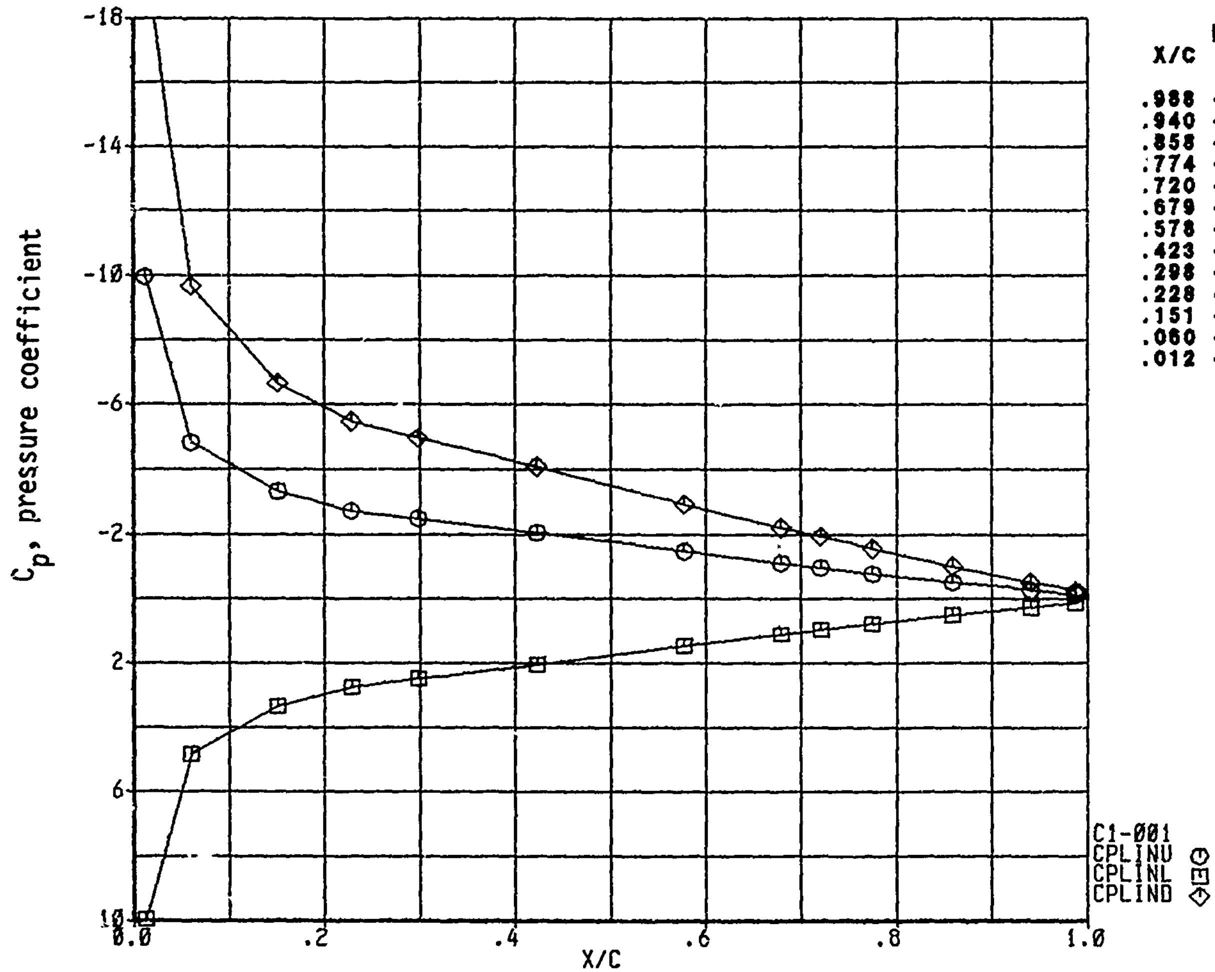
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1148 | 0.1057 | -.2204 |
| .940 | -.2250 | 0.2159 | -.4409 |
| .858 | -.3240 | 0.3150 | -.6389 |
| .774 | -.3822 | 0.3732 | -.7554 |
| .720 | -.4038 | 0.3949 | -.7987 |
| .679 | -.4161 | 0.4072 | -.8233 |
| .577 | -.4313 | 0.4225 | -.8538 |
| .423 | -.4225 | 0.4139 | -.8364 |
| .298 | -.3740 | 0.3656 | -.7397 |
| .228 | -.3165 | 0.3082 | -.6247 |
| .151 | -.1630 | 0.1548 | -.3178 |
| .060 | 0.2939 | -.3019 | 0.5959 |
| .012 | 1.3983 | -1.406 | 2.8045 |

Figure 339, Chordwise Pressure Distribution, Imaginary, Configuration 2

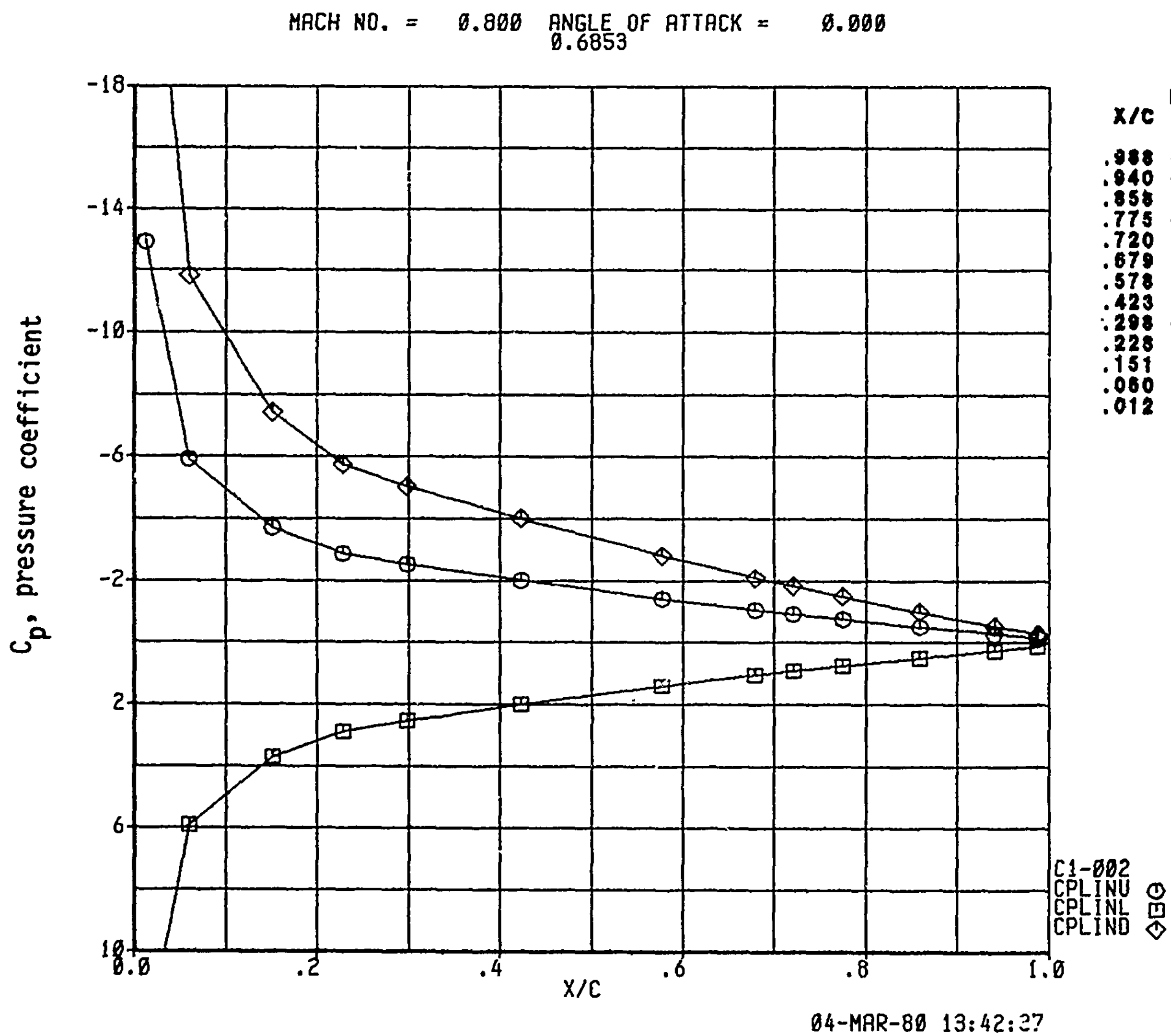
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1246 | 0.1151 | -.2396 |
| .940 | -.2648 | 0.2552 | -.5200 |
| .858 | -.5075 | 0.4980 | -1.005 |
| .774 | -.7859 | 0.7769 | -1.563 |
| .720 | -.9693 | 0.9609 | -1.930 |
| .679 | -1.110 | 1.1016 | -2.211 |
| .578 | -1.473 | 1.4672 | -2.941 |
| .423 | -2.042 | 2.0399 | -4.082 |
| .298 | -2.476 | 2.4777 | -4.954 |
| .228 | -2.732 | 2.7358 | -5.468 |
| .151 | -3.330 | 3.3366 | -6.667 |
| .060 | -4.827 | 4.8370 | -9.664 |
| .012 | -9.958 | 9.9701 | -19.93 |

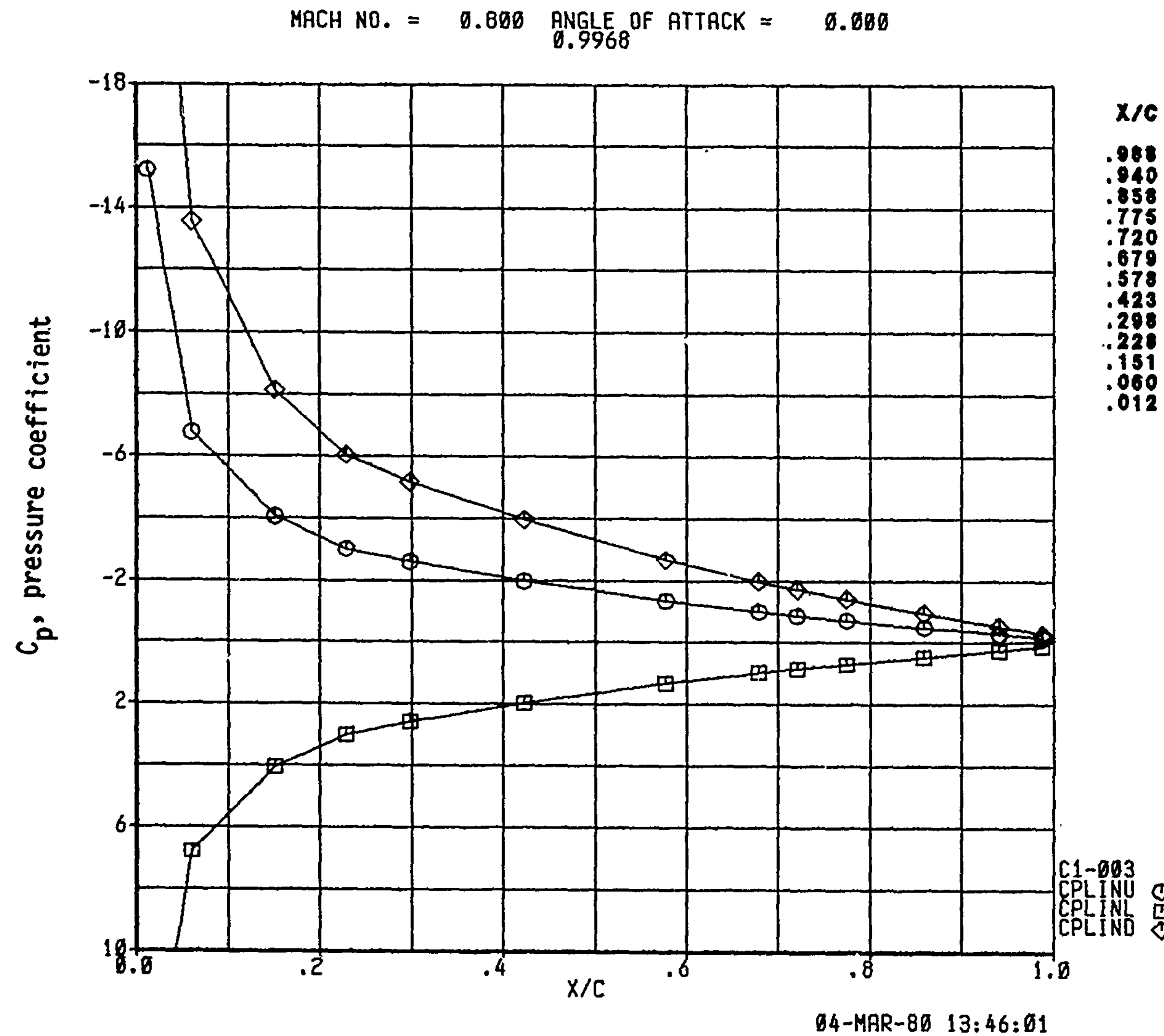
04-MAR-80 13:42:11

Figure 340, Chordwise Pressure Distribution, Imaginary, Configuration 2



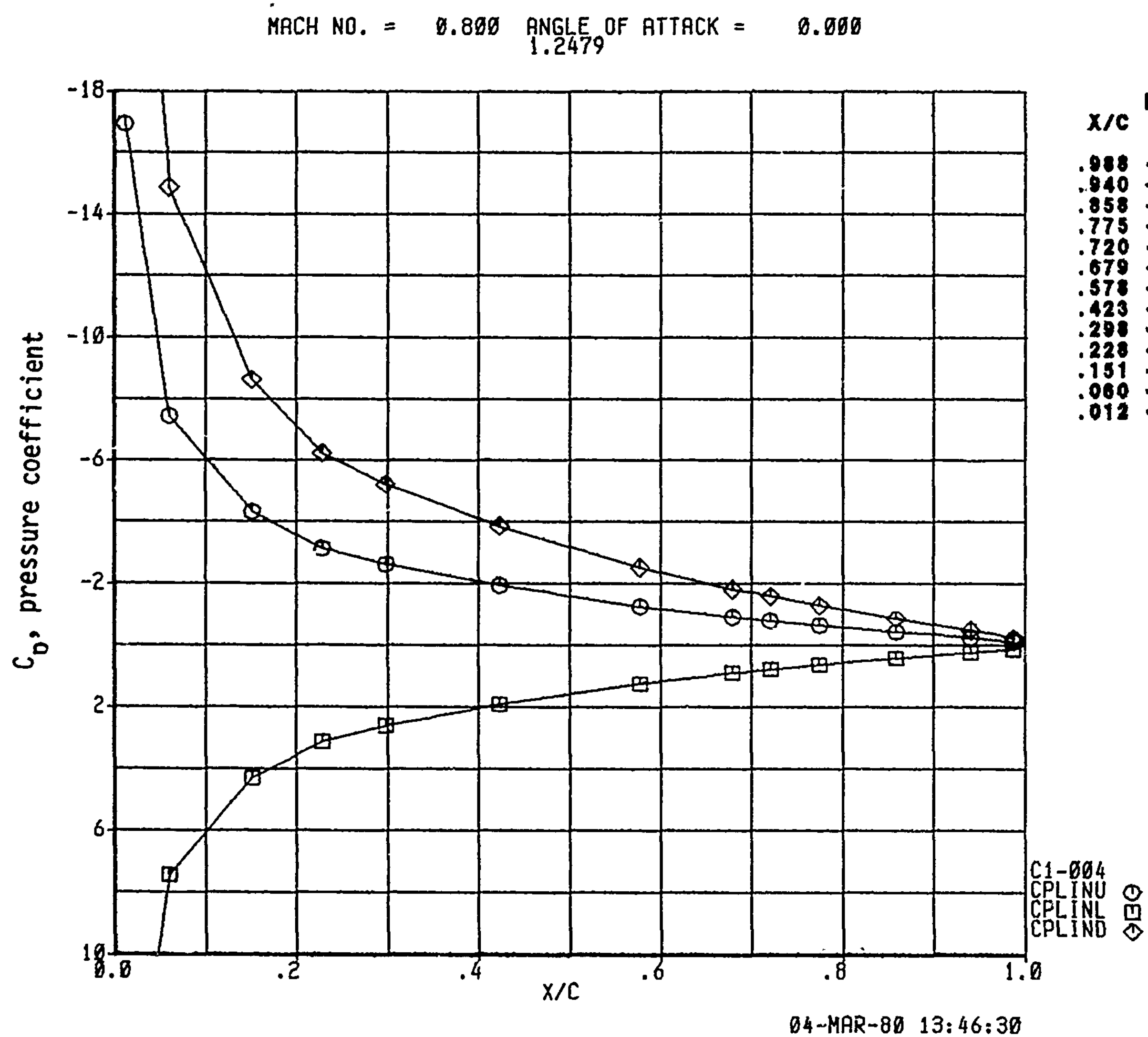

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1290 | 0.1194 | -.2484 |
| .940 | -.2683 | 0.2587 | -.5269 |
| .858 | -.4959 | 0.4864 | -.9824 |
| .775 | -.7505 | 0.7414 | -1.492 |
| .720 | -.9201 | 0.9113 | -1.831 |
| .679 | -1.052 | 1.0433 | -2.095 |
| .578 | -1.408 | 1.4011 | -2.809 |
| .423 | -2.007 | 2.0027 | -4.010 |
| .298 | -2.528 | 2.5263 | -5.054 |
| .228 | -2.876 | 2.8764 | -5.752 |
| .151 | -3.713 | 3.7157 | -7.429 |
| .060 | -5.904 | 5.9099 | -11.81 |
| .012 | -12.95 | 12.955 | -25.90 |

Figure 341, Chordwise Pressure Distribution, Imaginary, Configuration 2



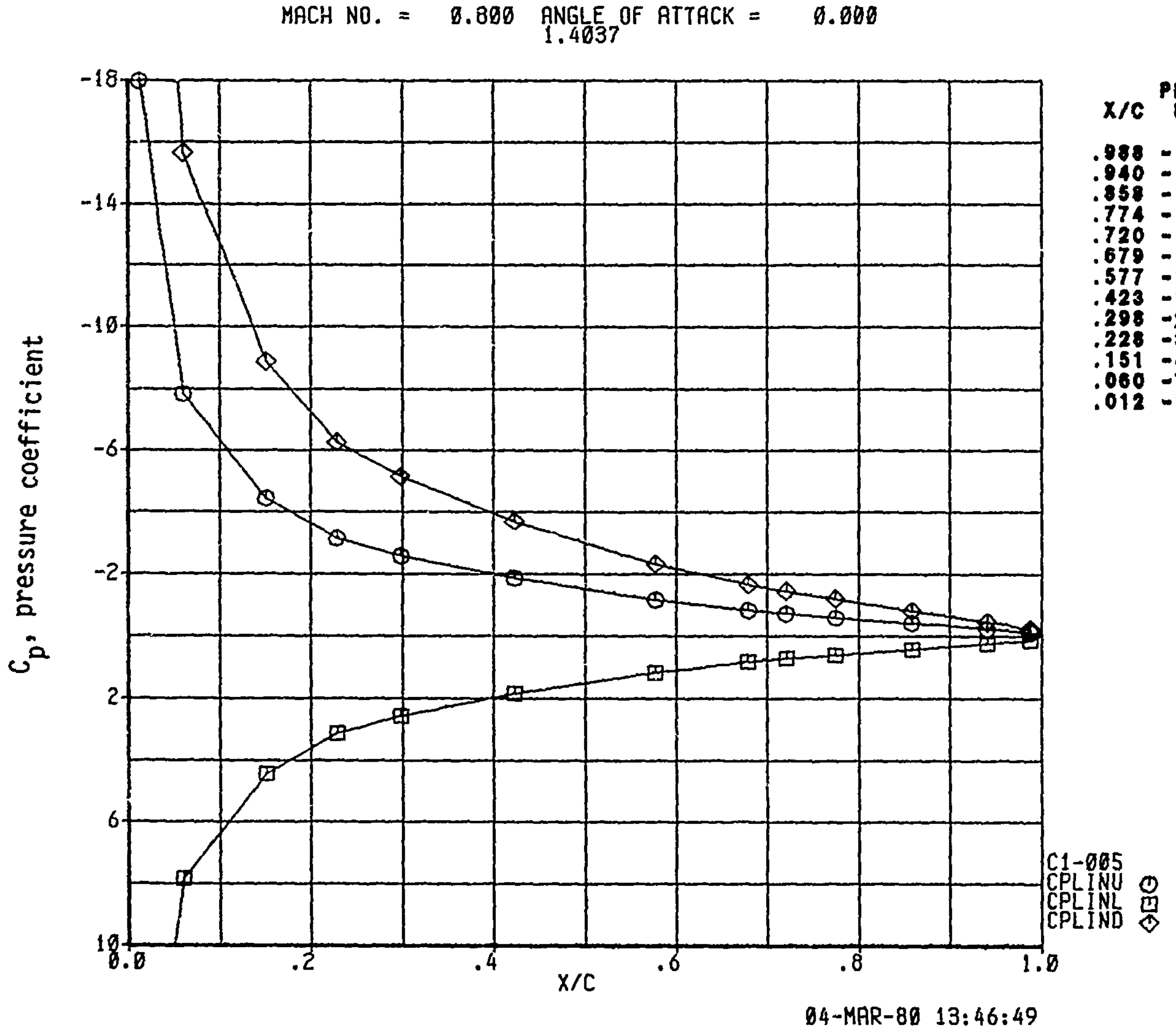

| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.1295 | 0.1200 | -.2495 |
| .940 | -.2648 | 0.2553 | -.5201 |
| .858 | -.4757 | 0.4662 | -.9420 |
| .775 | -.7085 | 0.6992 | -1.408 |
| .720 | -.8663 | 0.8572 | -1.724 |
| .679 | -.9897 | 0.9809 | -1.971 |
| .578 | -1.344 | 1.3363 | -2.681 |
| .423 | -1.983 | 1.9774 | -3.961 |
| .298 | -2.594 | 2.5896 | -5.183 |
| .228 | -3.027 | 3.0244 | -6.051 |
| .151 | -4.067 | 4.0659 | -8.133 |
| .060 | -6.787 | 6.7878 | -13.57 |
| .012 | -15.23 | 15.232 | -30.46 |

Figure 342, Chordwise Pressure Distribution, Real, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1251 | 0.1157 | -.2407 |
| .940 | -.2517 | 0.2422 | -.4940 |
| .858 | -.4431 | 0.4336 | -.8766 |
| .775 | -.6515 | 0.6421 | -1.294 |
| .720 | -.7939 | 0.7847 | -1.579 |
| .679 | -.9075 | 0.8985 | -1.806 |
| .578 | -1.255 | 1.2468 | -2.502 |
| .423 | -1.926 | 1.9189 | -3.845 |
| .298 | -2.611 | 2.6057 | -5.217 |
| .228 | -3.121 | 3.1162 | -6.237 |
| .151 | -4.316 | 4.3128 | -8.629 |
| .060 | -7.439 | 7.4376 | -14.88 |
| .012 | -16.94 | 16.937 | -33.87 |

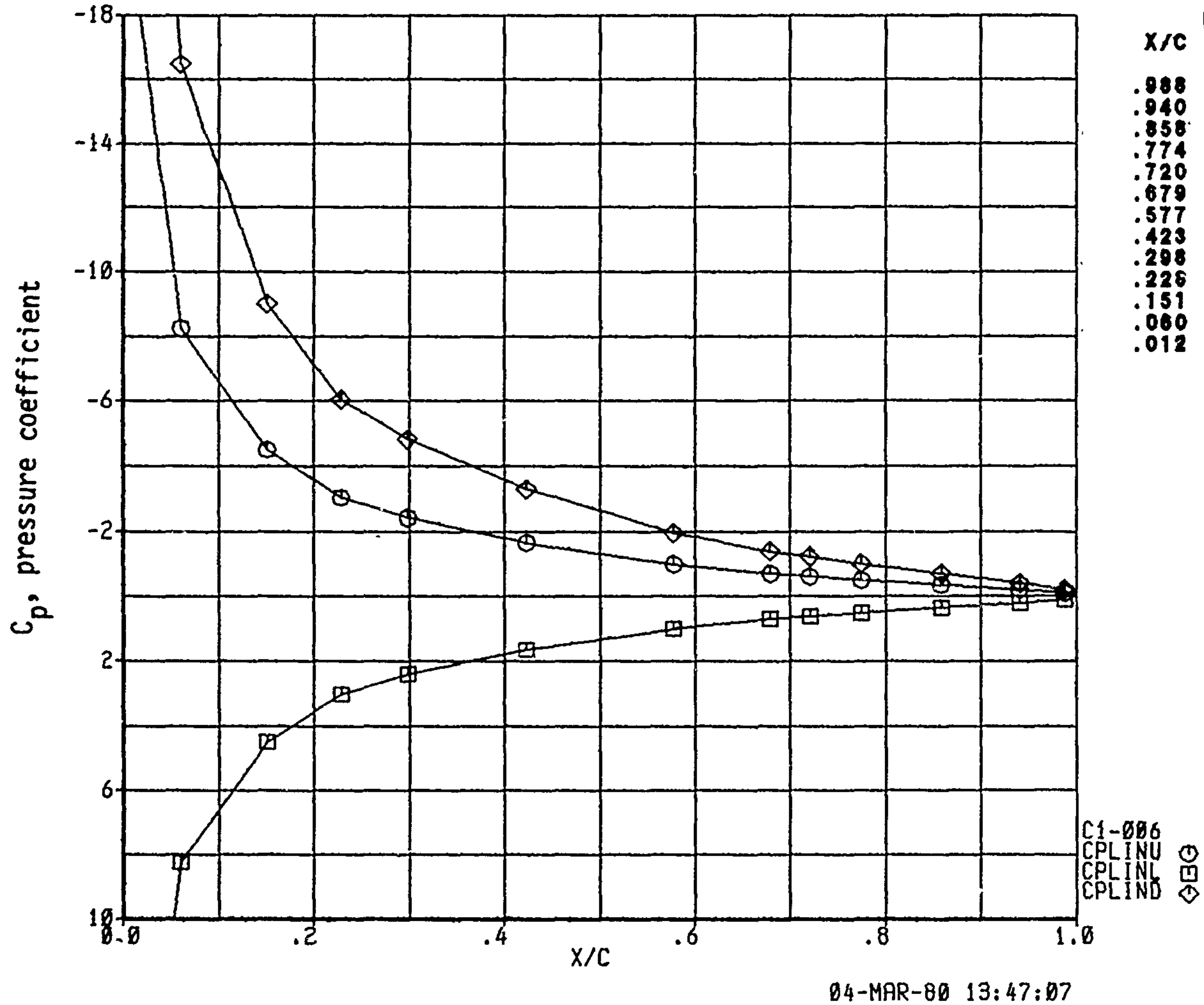
Figure 343, Chordwise Pressure Distribution, Real, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1196 | 0.1102 | -.2298 |
| .940 | -.2372 | 0.2277 | -.4649 |
| .858 | -.4118 | 0.4023 | -.8141 |
| .774 | -.5996 | 0.5901 | -1.190 |
| .720 | -.7267 | 0.7173 | -1.444 |
| .679 | -.8300 | 0.8208 | -1.651 |
| .577 | -1.165 | 1.1562 | -2.321 |
| .423 | -1.842 | 1.8417 | -3.691 |
| .298 | -2.576 | 2.5691 | -5.145 |
| .228 | -3.134 | 3.1285 | -6.263 |
| .151 | -4.441 | 4.4365 | -8.878 |
| .060 | -7.831 | 7.8268 | -15.66 |
| .012 | -17.98 | 17.974 | -35.95 |

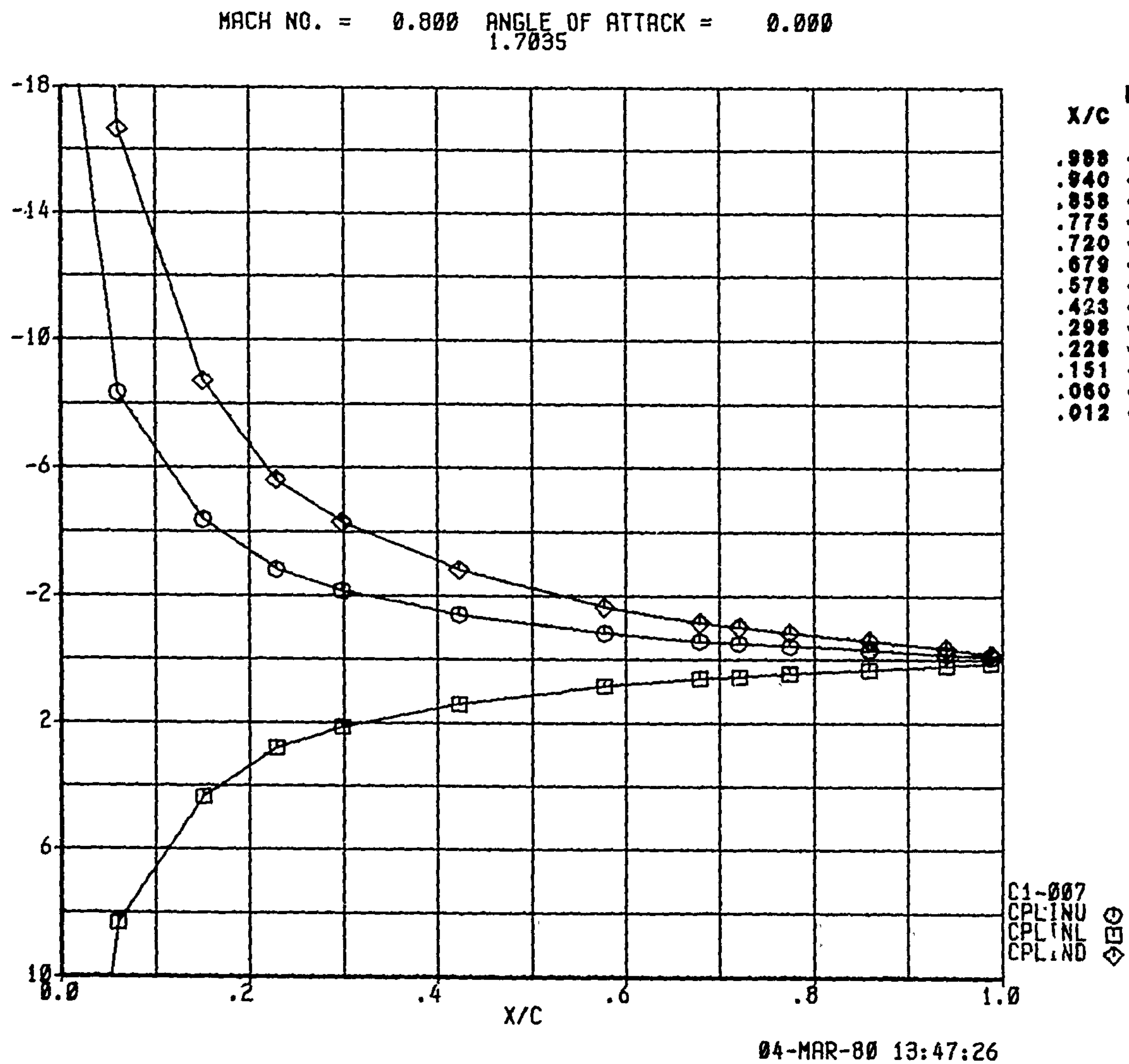
Figure 344, Chordwise Pressure Distribution, Real, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.5906



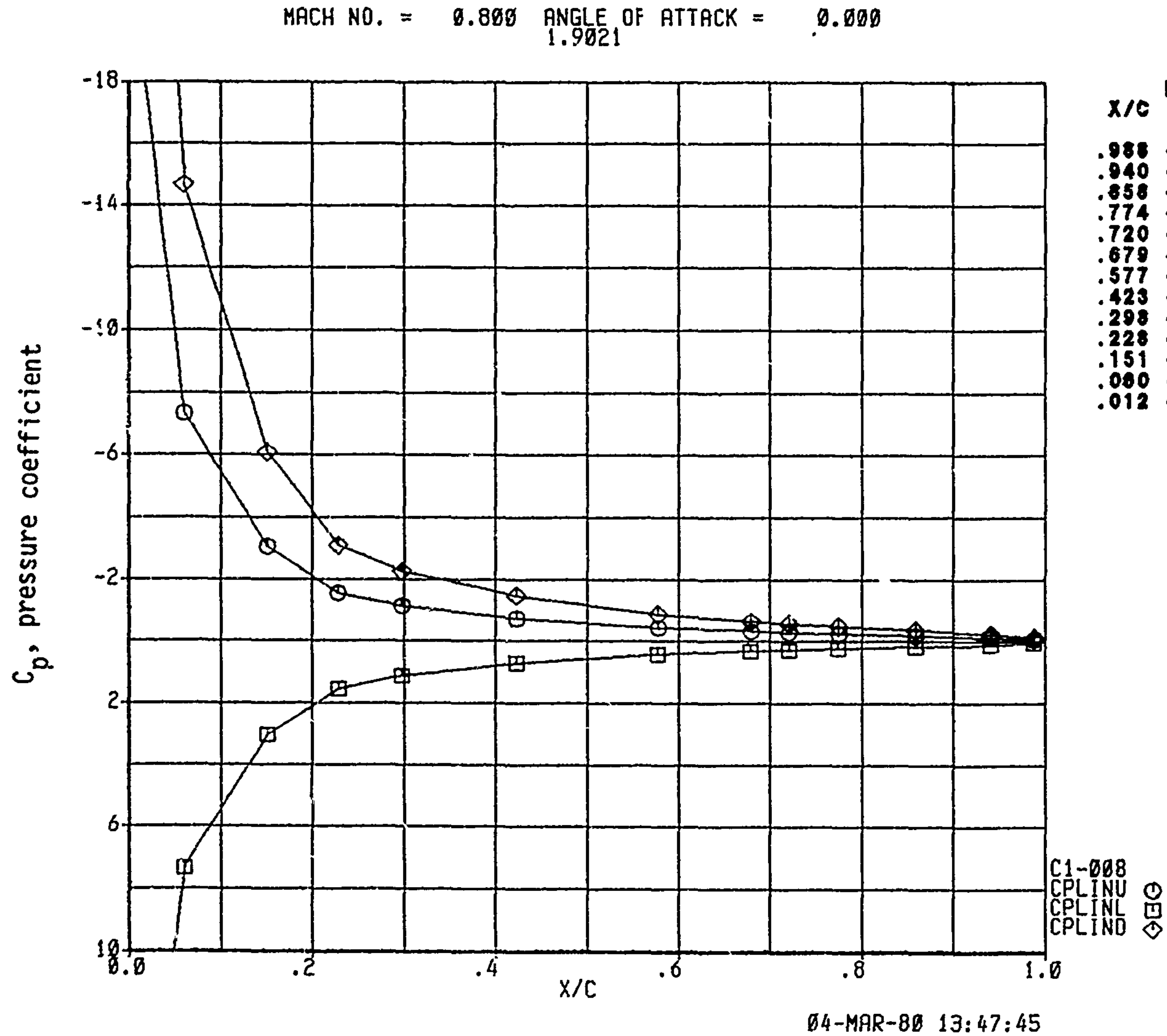

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1053 | 0.0959 | -.2012 |
| .940 | -.2084 | 0.1989 | -.4074 |
| .858 | -.3546 | 0.3453 | -.70[illegible] |
| .774 | -.5090 | 0.4994 | -1.00[illegible] |
| .720 | -.6121 | 0.6026 | -1.215 |
| .679 | -.6958 | 0.6863 | -1.382 |
| .577 | -.9867 | 0.9775 | -1.964 |
| .423 | -1.653 | 1.6446 | -3.298 |
| .298 | -2.414 | 2.4067 | -4.821 |
| .226 | -3.029 | 3.0219 | -6.051 |
| .151 | -4.509 | 4.5023 | -9.011 |
| .060 | -8.242 | 8.2365 | -16.48 |
| .012 | -19.15 | 19.145 | -38.29 |

Figure 345, Chordwise Pressure Distribution, Real, Configuration 2



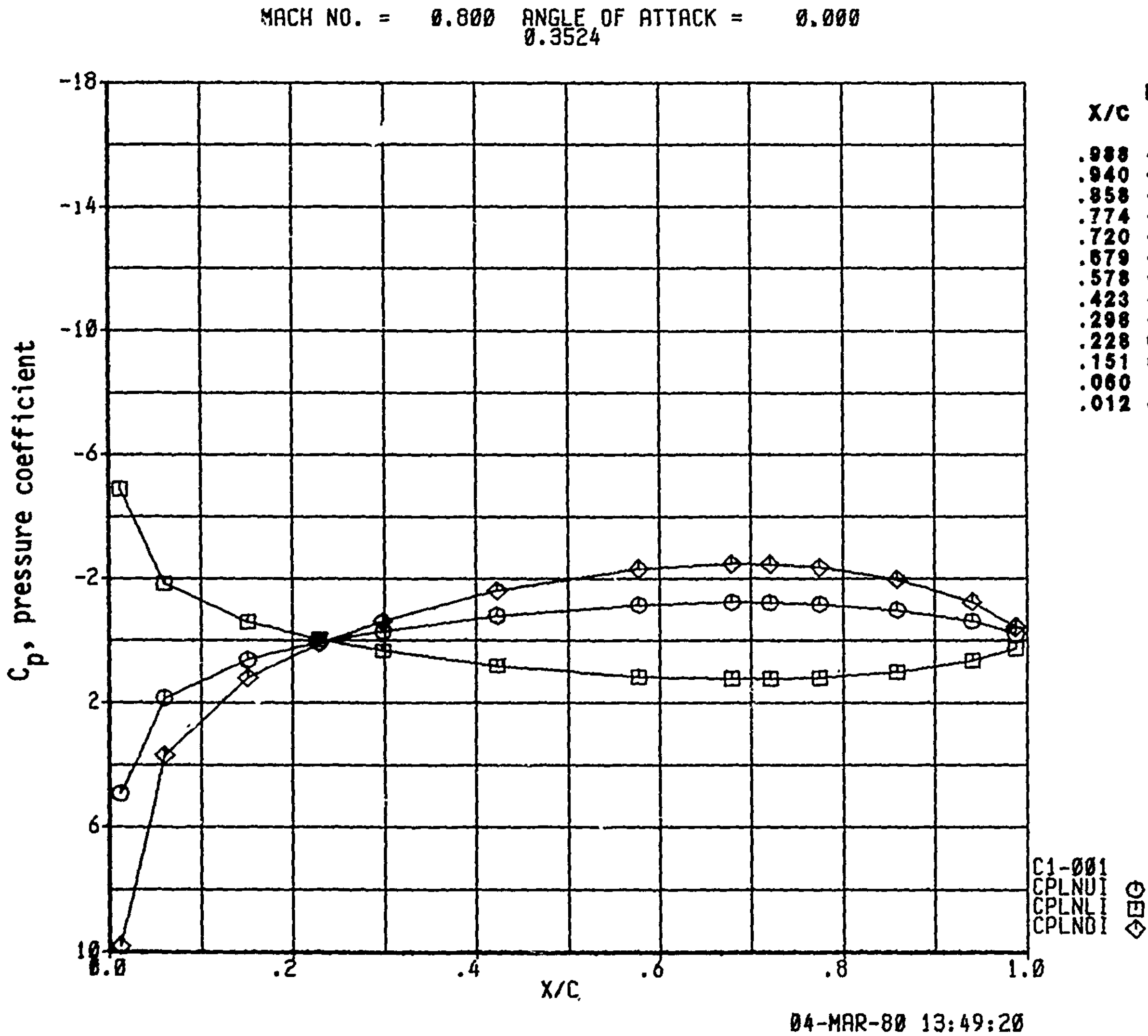

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0930 | 0.0837 | -.1768 |
| .940 | -.1827 | 0.1733 | -.3561 |
| .858 | -.3055 | 0.2960 | -.6015 |
| .775 | -.4333 | 0.4237 | -.8570 |
| .720 | -.5181 | 0.5086 | -1.027 |
| .679 | -.5852 | 0.5757 | -1.161 |
| .578 | -.8251 | 0.6157 | -1.641 |
| .423 | -1.412 | 1.4033 | -2.815 |
| .298 | -2.151 | 2.1421 | -4.293 |
| .228 | -2.810 | 2.8020 | -5.612 |
| .151 | -4.362 | 4.3542 | -8.716 |
| .060 | -8.333 | 8.3268 | -16.66 |
| .012 | -19.67 | 19.664 | -39.33 |

Figure 346, Chordwise Pressure Distribution, Real, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0651 | 0.0559 | -.1210 |
| .940 | -.1198 | 0.1104 | -.2302 |
| .858 | -.1852 | 0.1757 | -.3608 |
| .774 | -.2498 | 0.2402 | -.4902 |
| .720 | -.2918 | 0.2822 | -.5740 |
| .679 | -.3260 | 0.3164 | -.6423 |
| .577 | -.4374 | 0.4278 | -.8653 |
| .423 | -.7353 | 0.7259 | -1.461 |
| .298 | -1.132 | 1.1229 | -2.255 |
| .228 | -1.544 | 1.5354 | -3.080 |
| .151 | -3.044 | 3.0358 | -6.080 |
| .080 | -7.350 | 7.3421 | -14.69 |
| .012 | -19.18 | 19.172 | -38.35 |

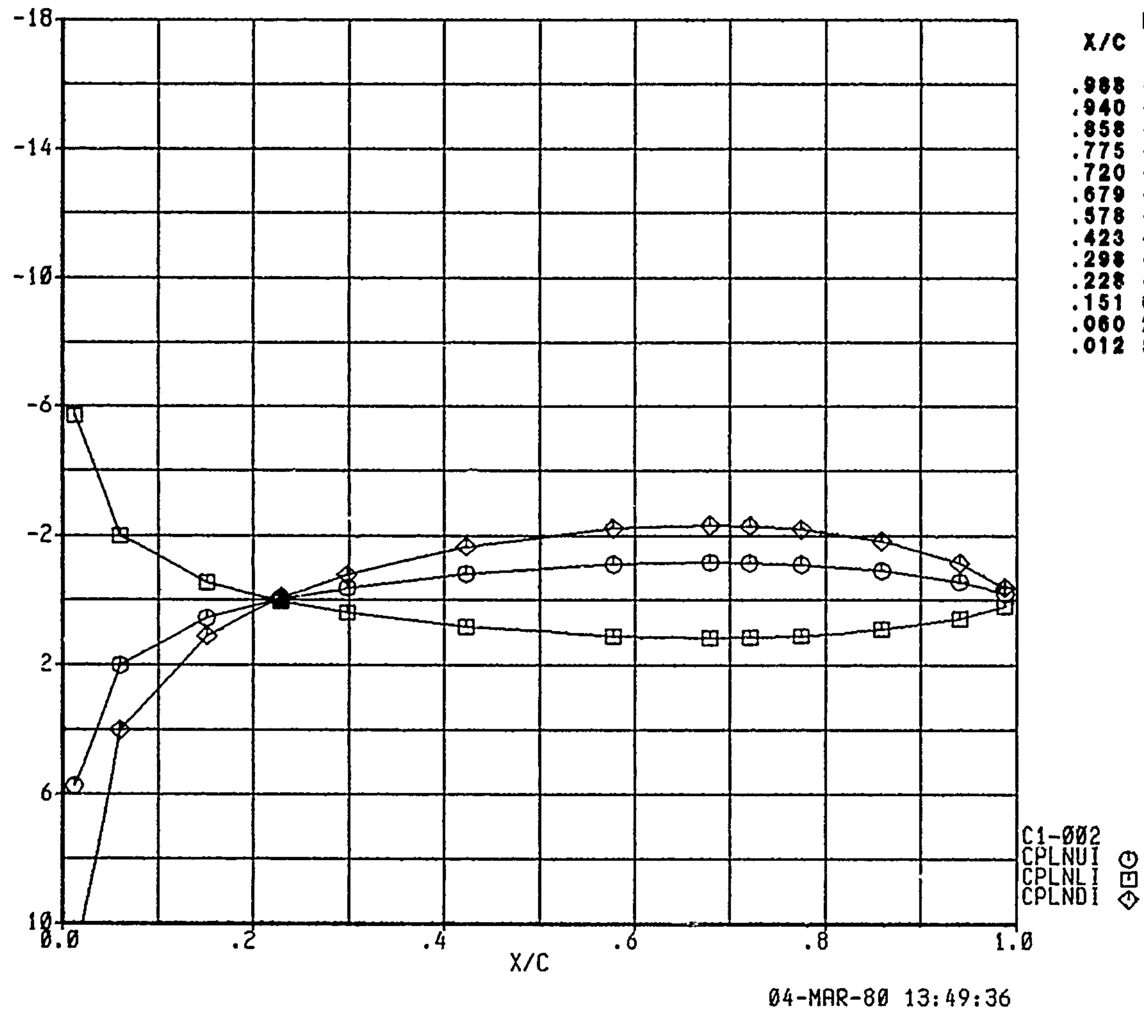
Figure 347, Chordwise Pressure Distribution, Real, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2185 | 0.2209 | -.4394 |
| .940 | -.6240 | 0.6275 | -1.252 |
| .858 | -.9855 | 0.9910 | -1.977 |
| .774 | -1.176 | 1.1837 | -2.360 |
| .720 | -1.222 | 1.2311 | -2.453 |
| .679 | -1.227 | 1.2371 | -2.464 |
| .578 | -1.148 | 1.1608 | -2.309 |
| .423 | -.7956 | 0.8113 | -1.607 |
| .298 | -.3028 | 0.3204 | -.6232 |
| .228 | 0.0532 | -.0349 | 0.0881 |
| .151 | 0.6144 | -.5958 | 1.2101 |
| .060 | 1.8547 | -1.836 | 3.6909 |
| .012 | 4.9164 | -4.898 | 9.8146 |

Figure 348, Chordwise Pressure Distribution, Imaginary, Configuration 2

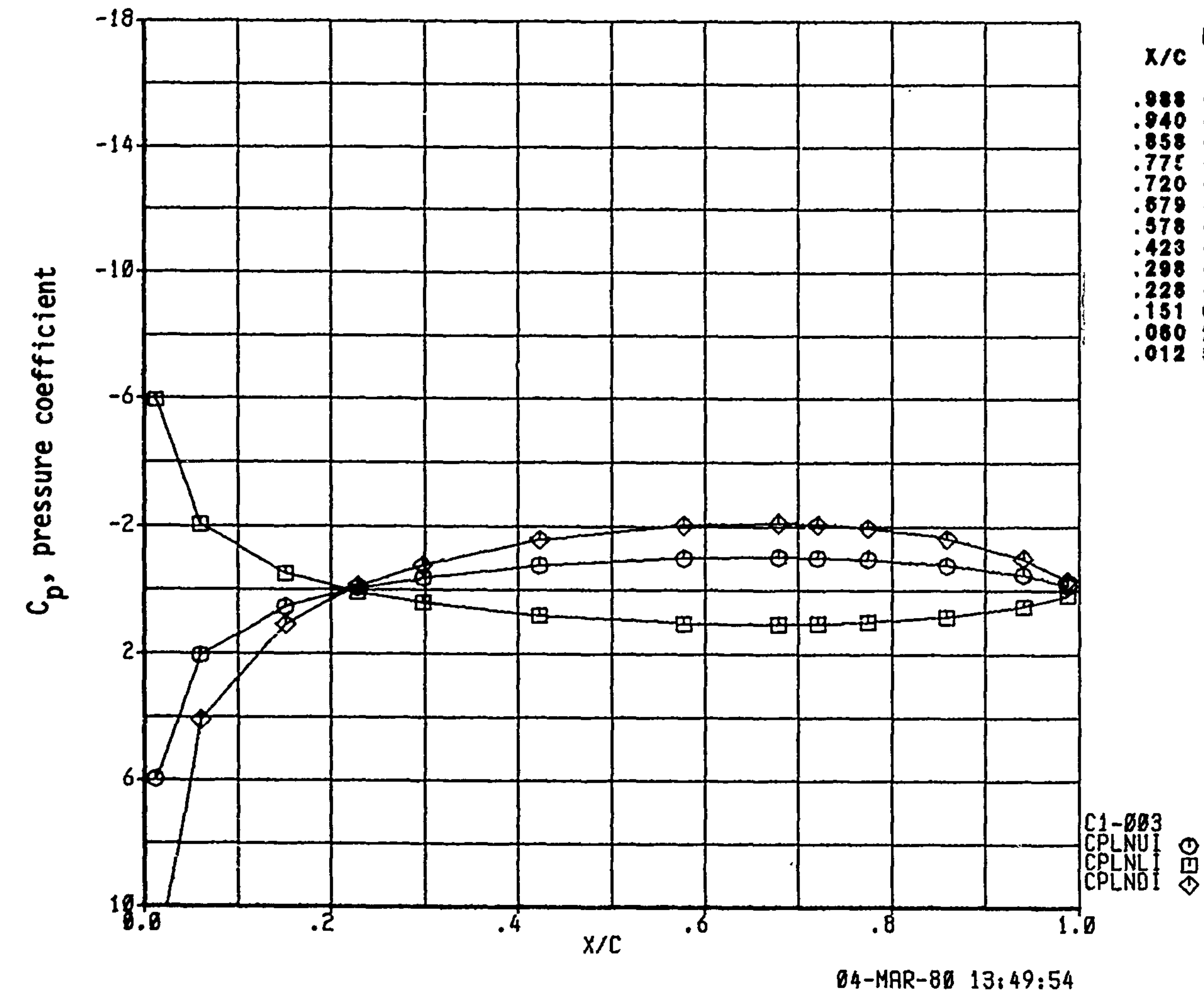
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1943 | 0.1966 | -.3910 |
| .940 | -.5732 | 0.5765 | -1.150 |
| .858 | -.9115 | 0.9165 | -1.828 |
| .775 | -1.093 | 1.1001 | -2.193 |
| .720 | -1.142 | 1.1504 | -2.293 |
| .679 | -1.155 | 1.1640 | -2.319 |
| .578 | -1.106 | 1.1176 | -2.224 |
| .423 | -.8217 | 0.8359 | -1.658 |
| .298 | -.3822 | 0.3985 | -.7806 |
| .228 | -.0381 | 0.0554 | -.0935 |
| .151 | 0.5592 | -.5414 | 1.1006 |
| .060 | 2.0140 | -1.996 | 4.0096 |
| .012 | 5.7383 | -5.720 | 11.458 |

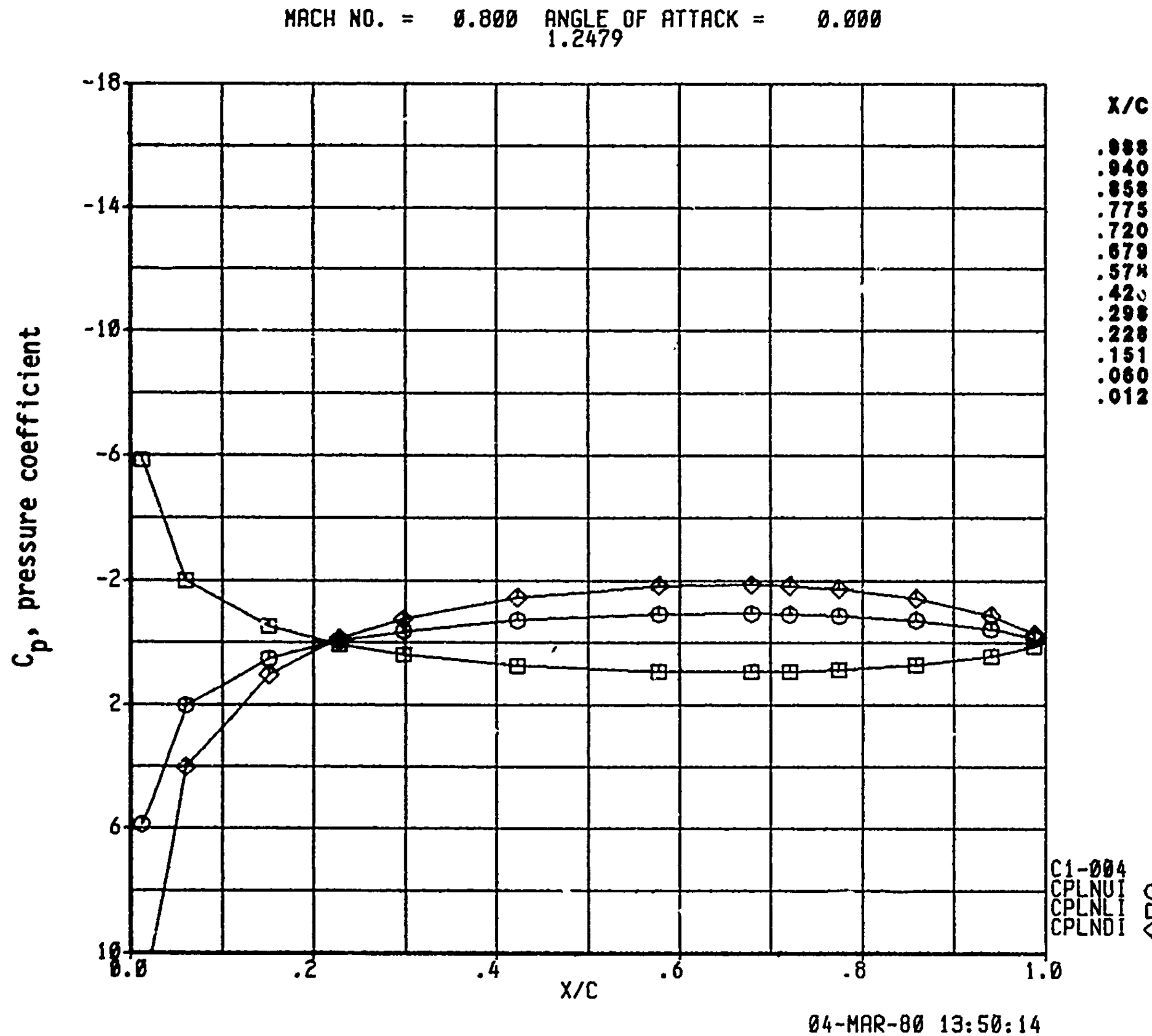
Figure 349, Chordwise Pressure Distribution, Imaginary, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1632 | 0.1651 | -.3283 |
| .940 | -.5039 | 0.5067 | -1.010 |
| .858 | -.8115 | 0.8157 | -1.627 |
| .775 | -.9806 | 0.9865 | -1.967 |
| .720 | -1.030 | 1.0371 | -2.067 |
| .679 | -1.048 | 1.0556 | -2.104 |
| .578 | -1.019 | 1.0288 | -2.048 |
| .423 | -.7838 | 0.7963 | -1.580 |
| .298 | -.3868 | 0.4013 | -.7881 |
| .228 | -.0604 | 0.0759 | -.1363 |
| .151 | 0.5407 | -.5243 | 1.0651 |
| .060 | 2.0569 | -2.040 | 4.0965 |
| .012 | 5.9605 | -5.943 | 11.903 |

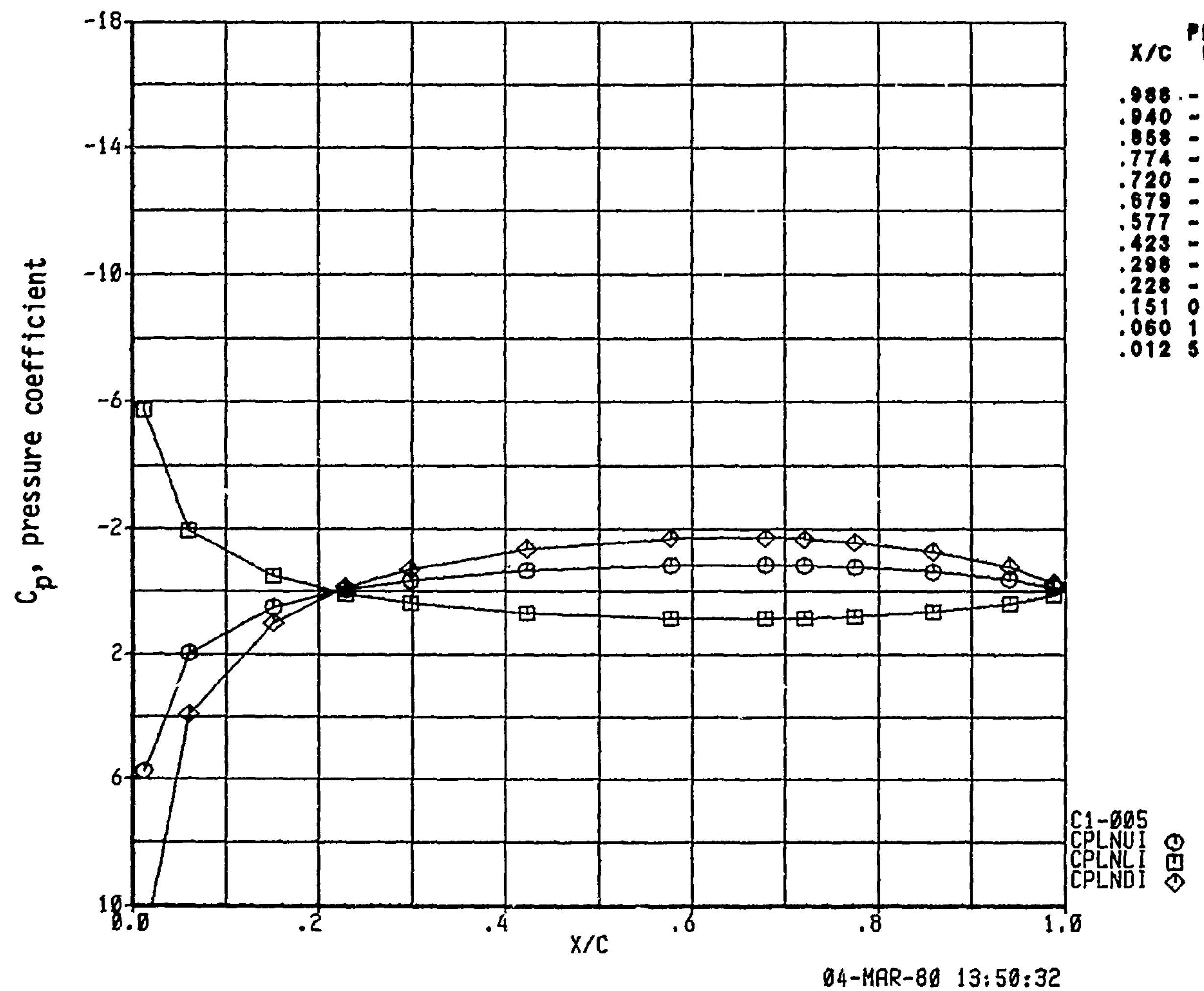
Figure 350, Chordwise Pressure Distribution, Imaginary, Configuration 2




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.1385 | 0.1401 | -.2786 |
| .940 | -.4381 | 0.4403 | -.8784 |
| .858 | -.7110 | 0.7146 | -1.426 |
| .775 | -.8661 | 0.8711 | -1.737 |
| .720 | -.9154 | 0.9213 | -1.837 |
| .679 | -.9345 | 0.9410 | -1.875 |
| .578 | -.9190 | 0.9271 | -1.846 |
| .428 | -.7232 | 0.7339 | -1.457 |
| .298 | -.3655 | 0.3781 | -.7436 |
| .228 | -.0578 | 0.0714 | -.1292 |
| .151 | 0.5236 | -.5090 | 1.0325 |
| .060 | 2.0177 | -2.002 | 4.0197 |
| .012 | 5.8800 | -5.864 | 11.744 |

Figure 351, Chordwise Pressure Distribution, Imaginary, Configuration 2

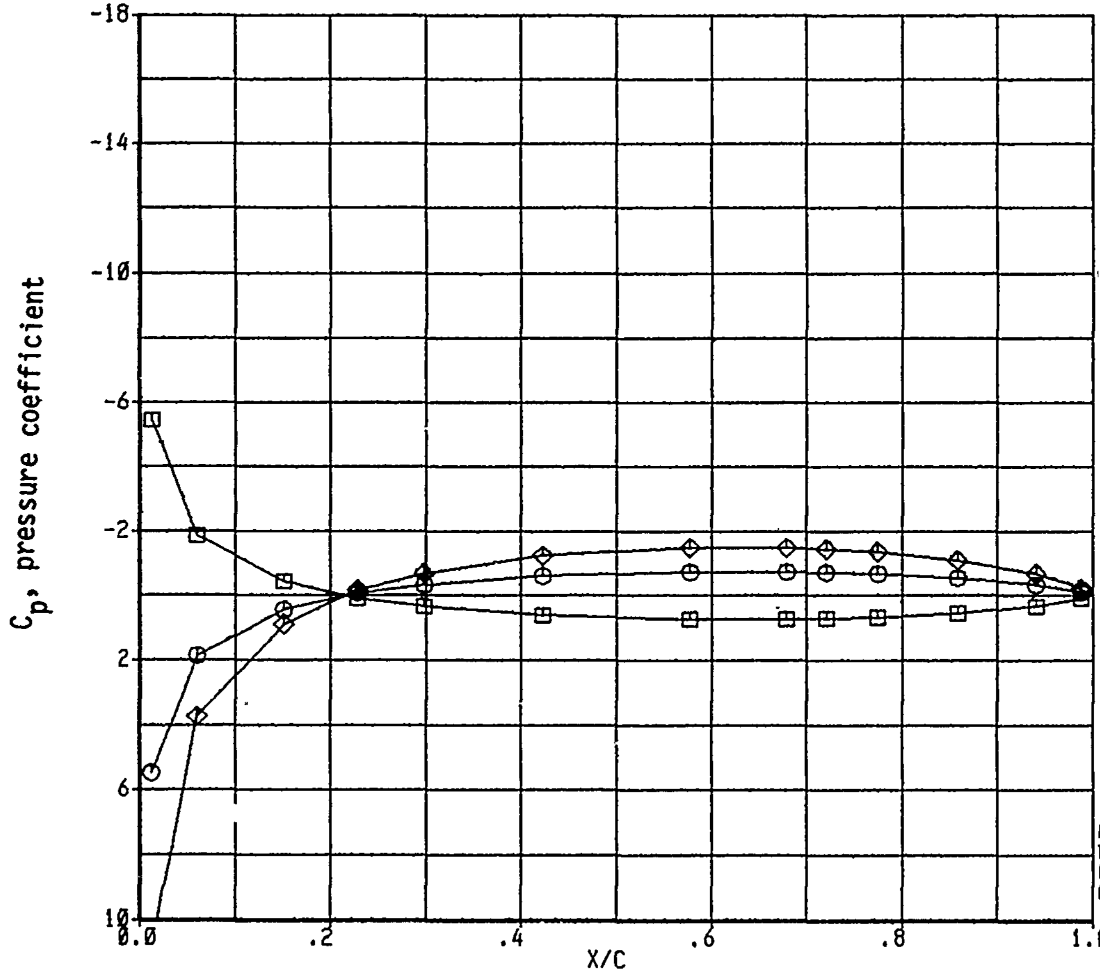
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1243 | 0.1256 | -.2499 |
| .940 | -.3937 | 0.3956 | -.7893 |
| .858 | -.6401 | 0.6432 | -1.283 |
| .774 | -.7846 | 0.7890 | -1.574 |
| .720 | -.8333 | 0.8384 | -1.672 |
| .679 | -.8523 | 0.8580 | -1.710 |
| .577 | -.8445 | 0.8517 | -1.696 |
| .423 | -.6761 | 0.6857 | -1.362 |
| .298 | -.3508 | 0.3621 | -.7129 |
| .228 | -.0599 | 0.0722 | -.1320 |
| .151 | 0.5050 | -.4917 | 0.9967 |
| .060 | 1.9683 | -1.954 | 3.9222 |
| .012 | 5.7425 | -5.727 | 11.470 |

Figure 352, Chordwise Pressure Distribution, Imaginary, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.5906

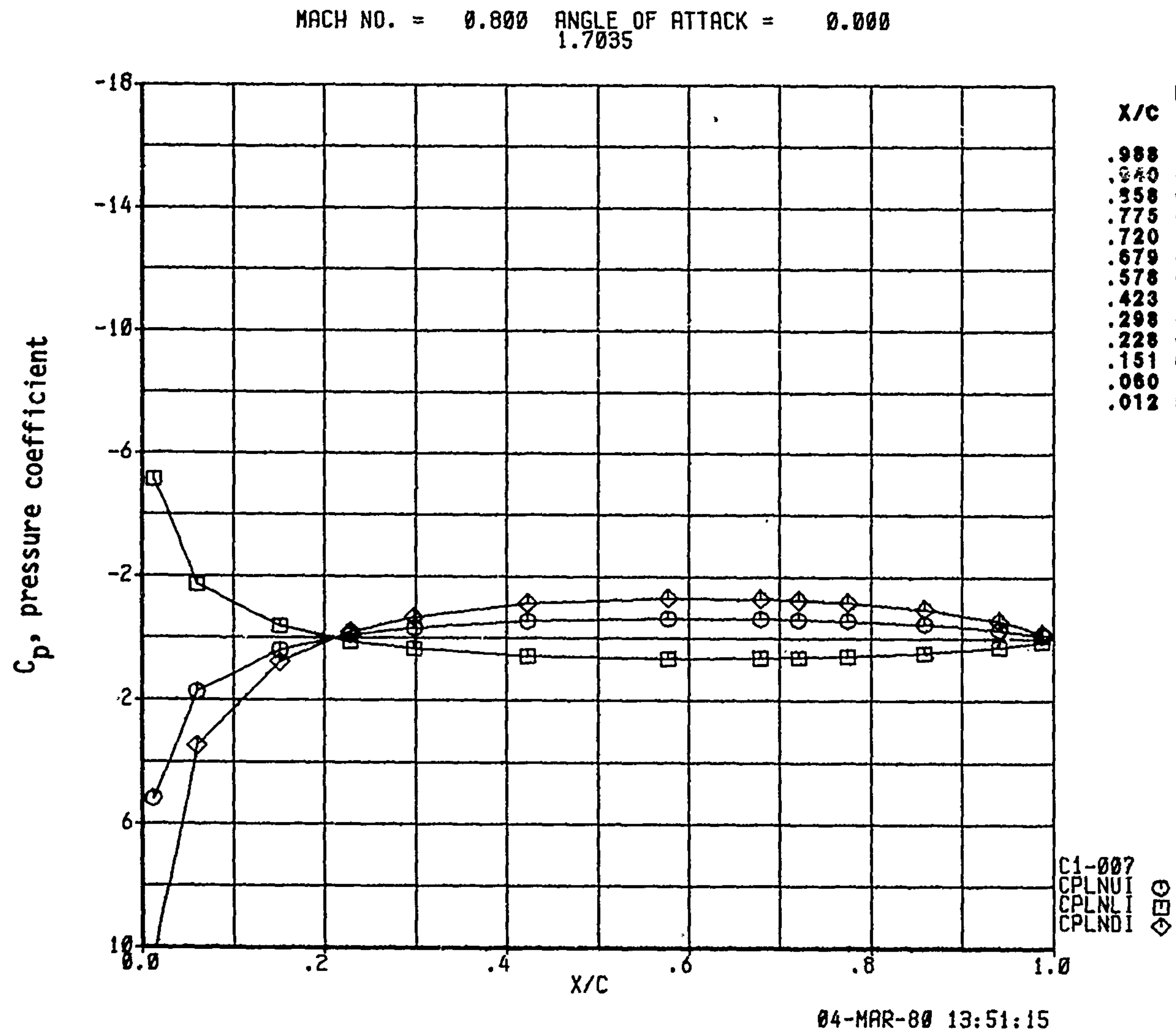



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1055 | 0.1063 | -.2118 |
| .940 | -.3364 | 0.3379 | -.6744 |
| .858 | -.5461 | 0.5485 | -1.095 |
| .774 | -.6711 | 0.6746 | -1.346 |
| .720 | -.7147 | 0.7188 | -1.434 |
| .679 | -.7341 | 0.7388 | -1.473 |
| .577 | -.7385 | 0.7446 | -1.483 |
| .423 | -.6126 | 0.6206 | -1.233 |
| .298 | -.3380 | 0.3477 | -.6857 |
| .228 | -.0787 | 0.0892 | -.1680 |
| .151 | 0.4569 | -.4453 | 0.9022 |
| .050 | 1.8658 | -1.853 | 3.7190 |
| .012 | 5.4681 | -5.455 | 10.923 |

C1-006
CPLNUI
CPLNLI
CPLNDI

04-MAR-80 13:50:52

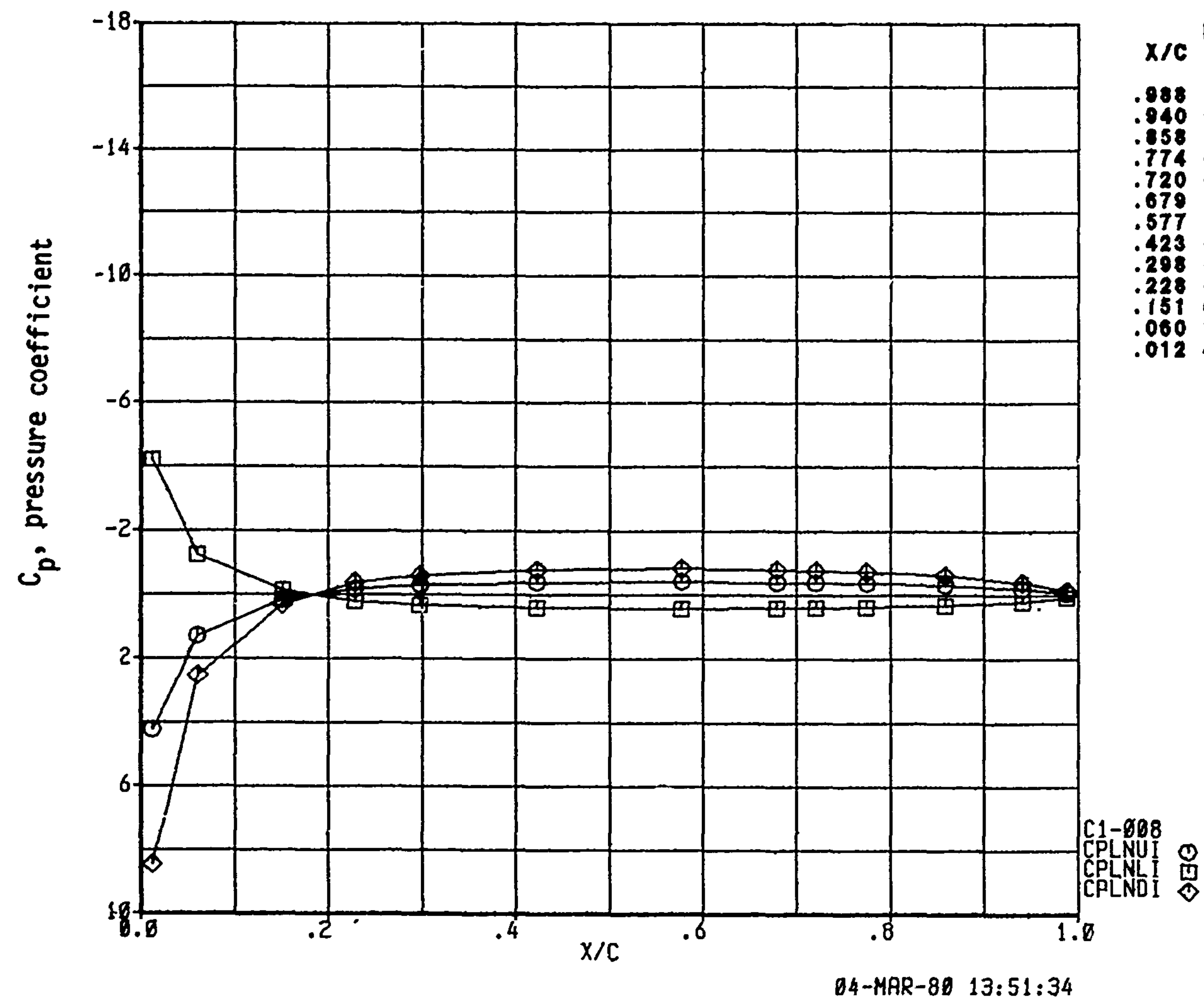
Figure 353, Chordwise Pressure Distribution, Imaginary, Configuration 2




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0873 | 0.0878 | -.1751 |
| .940 | -.2931 | 0.2943 | -.5874 |
| .858 | -.4795 | 0.4814 | -.9606 |
| .775 | -.5832 | 0.5861 | -1.169 |
| .720 | -.6175 | 0.6210 | -1.238 |
| .679 | -.6373 | 0.6419 | -1.280 |
| .578 | -.6506 | 0.6559 | -1.307 |
| .423 | -.5622 | 0.5694 | -1.132 |
| .298 | -.3338 | 0.3423 | -.6761 |
| .228 | -.0995 | 0.1089 | -.2084 |
| .151 | 0.3923 | -.3820 | 0.7741 |
| .060 | 1.7403 | -1.729 | 3.4694 |
| .012 | 5.1783 | -5.167 | 10.345 |

Figure 354, Chordwise Pressure Distribution, Imaginary, Configuration 2

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0648 | 0.0648 | -.1297 |
| .940 | -.1958 | 0.1963 | -.3921 |
| .858 | -.3096 | 0.3107 | -.6202 |
| .774 | -.3680 | 0.3699 | -.7378 |
| .720 | -.3851 | 0.3875 | -.7725 |
| .679 | -.3979 | 0.4007 | -.7986 |
| .577 | -.4138 | 0.4176 | -.8314 |
| .423 | -.3911 | 0.3964 | -.7875 |
| .298 | -.2982 | 0.3047 | -.6030 |
| .228 | -.1875 | 0.1946 | -.3821 |
| .151 | 0.1504 | -.1424 | 0.2928 |
| .060 | 1.2672 | -1.258 | 2.5253 |
| .012 | 4.2252 | -4.216 | 8.4409 |

Figure 355, Chordwise Pressure Distribution, Imaginary, Configuration 2

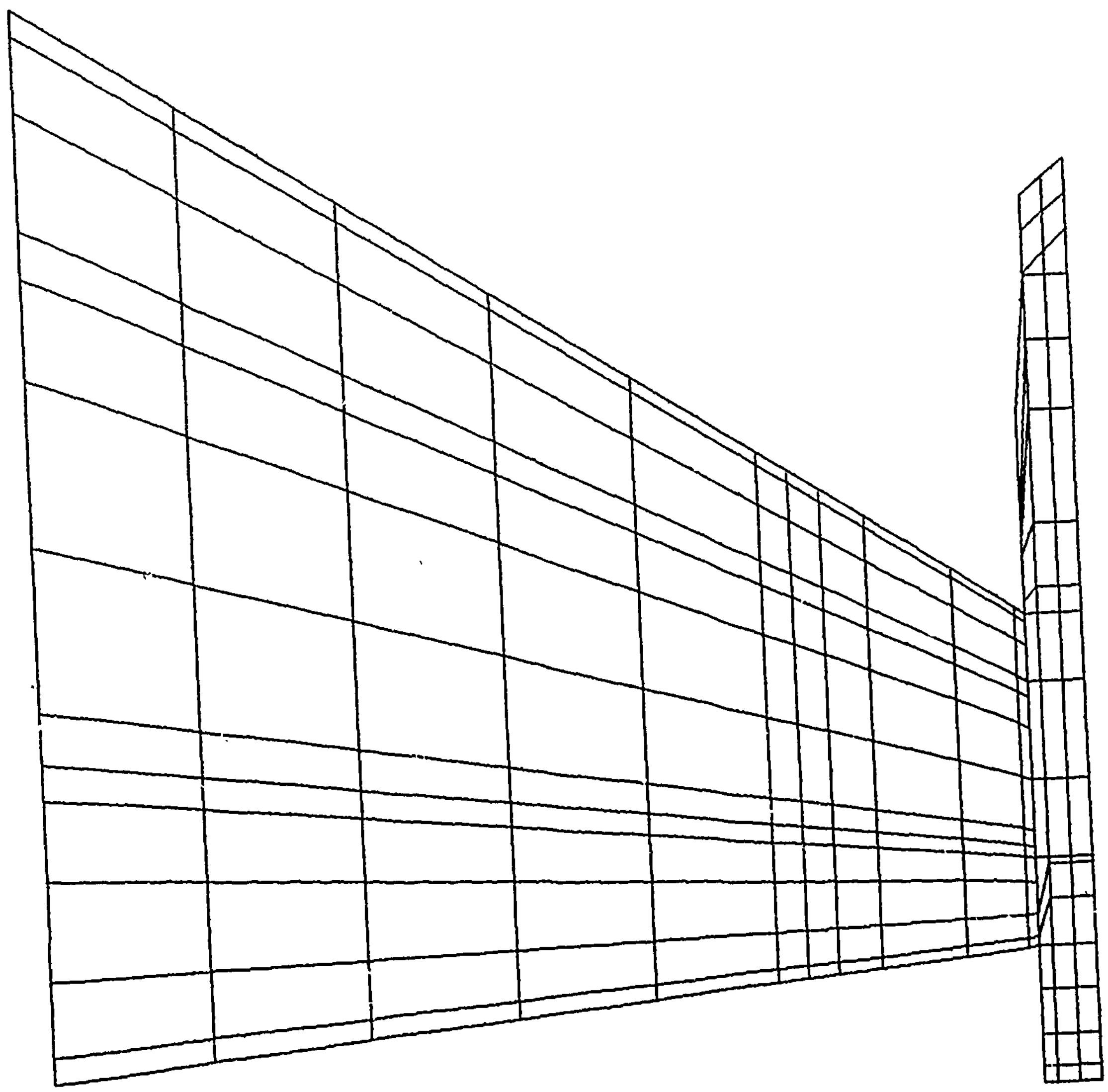
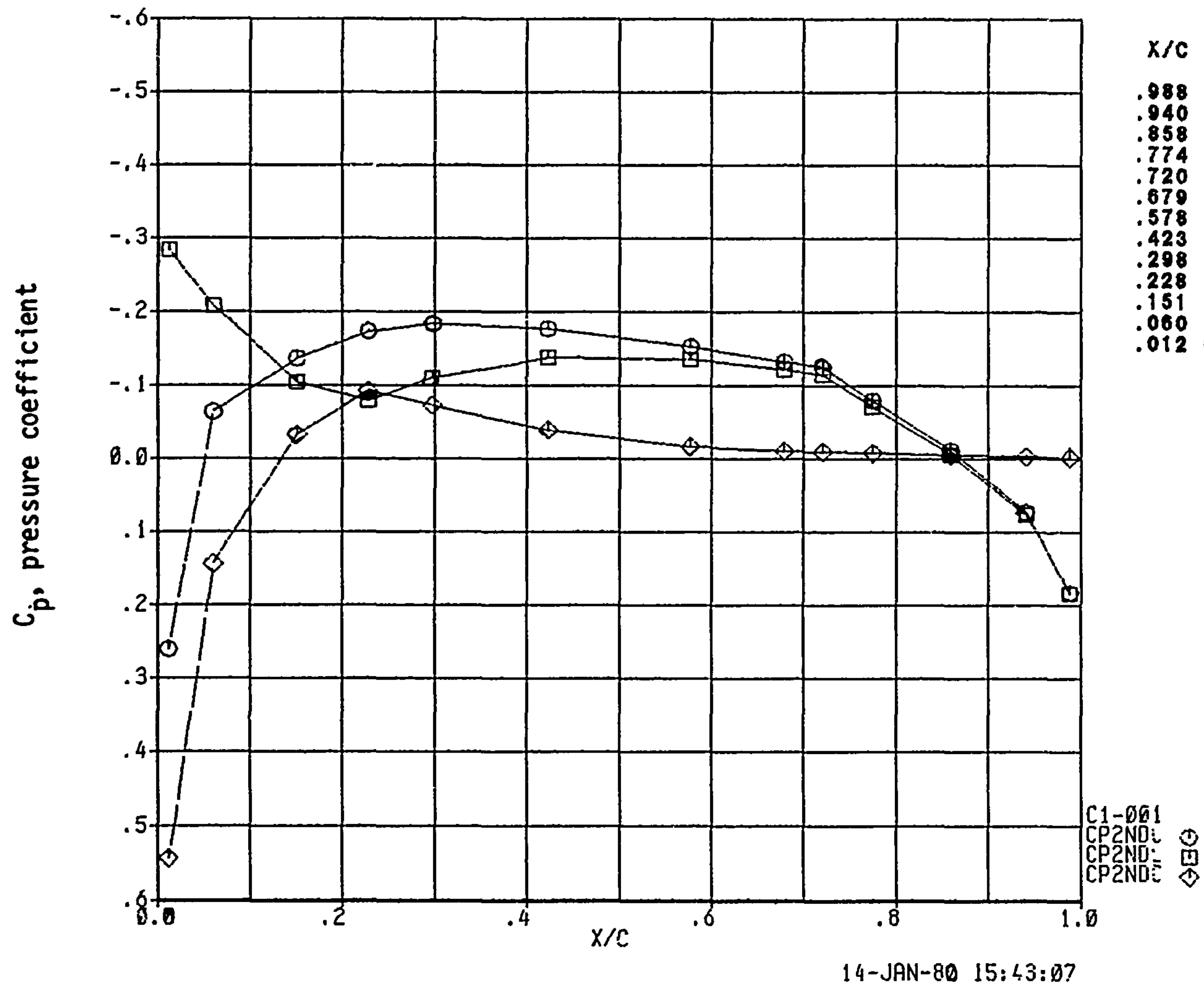


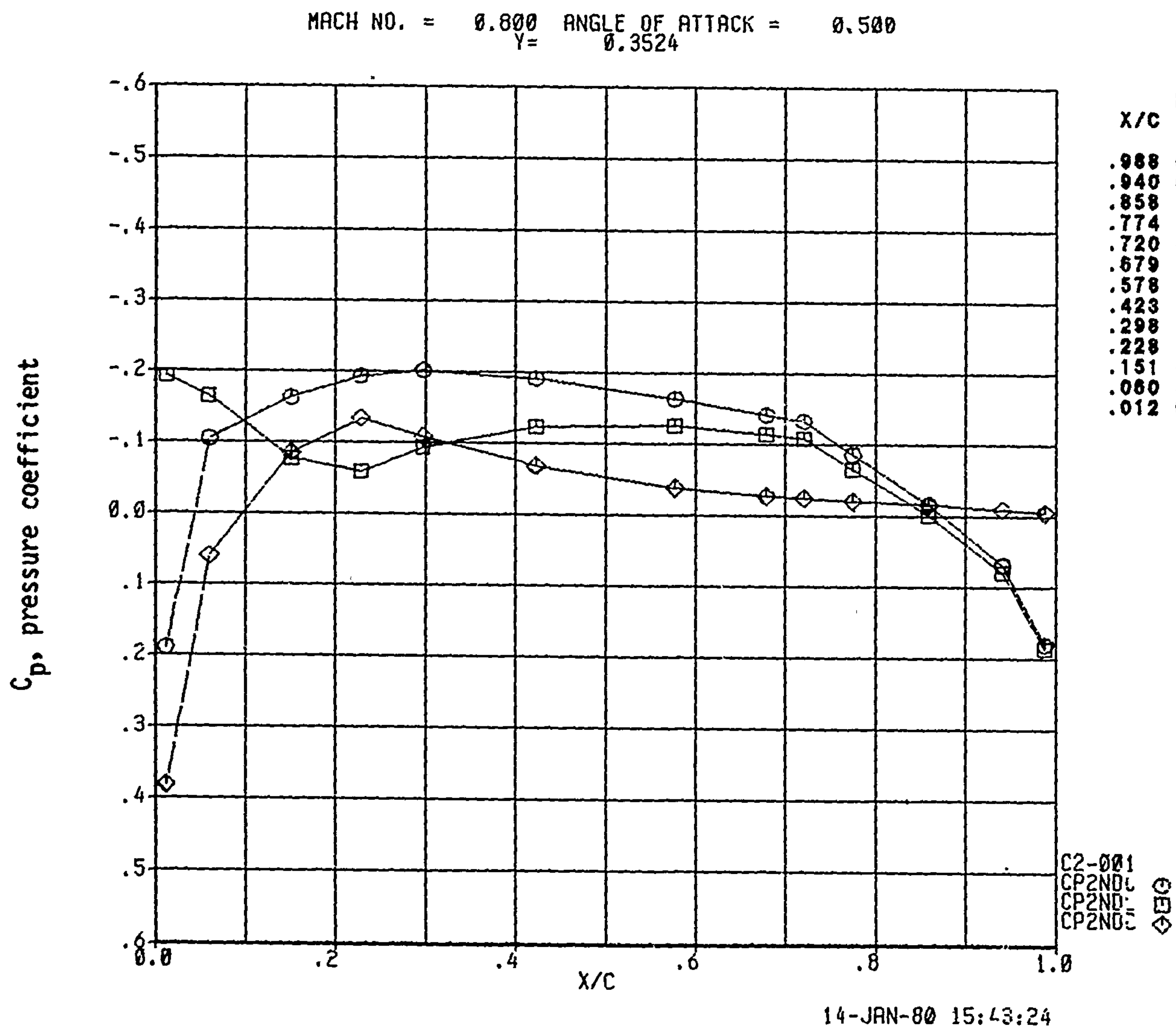
Figure 356, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1791 | 0.1803 | -.0013 |
| .940 | 0.0691 | 0.0719 | -.0028 |
| .858 | -.0148 | -.0096 | -.0051 |
| .774 | -.0866 | -.0790 | -.0076 |
| .720 | -.1277 | -.1185 | -.0092 |
| .679 | -.1358 | -.1253 | -.0104 |
| .578 | -.1560 | -.1394 | -.0165 |
| .423 | -.1801 | -.1416 | -.0387 |
| .298 | -.1869 | -.1150 | -.0718 |
| .228 | -.1759 | -.0837 | -.0921 |
| .151 | -.1398 | -.1083 | -.0315 |
| .060 | -.0671 | -.2123 | 0.1453 |
| .012 | 0.2576 | -.2895 | 0.5472 |

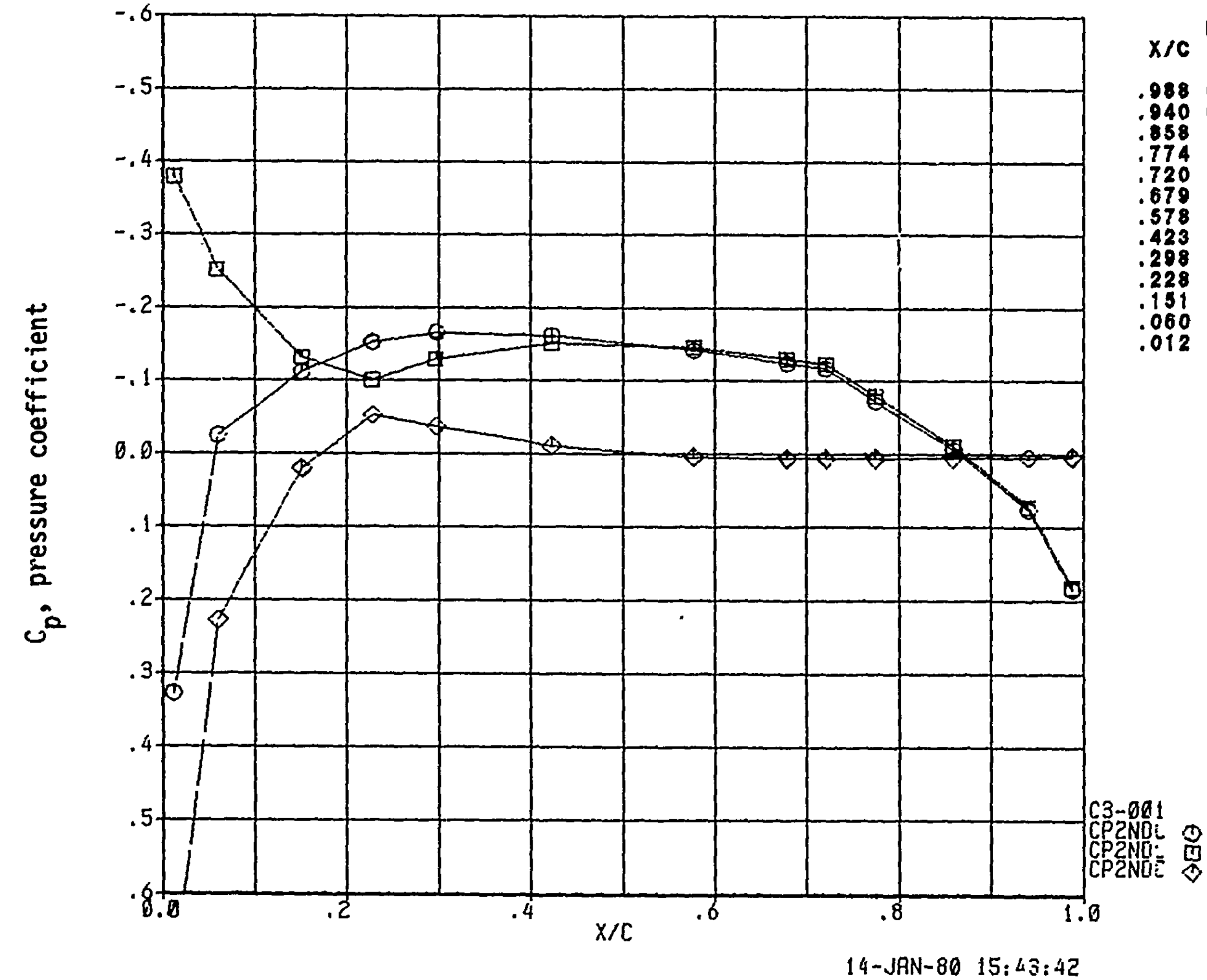
Figure 357, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE UPPER | COEFFICIENT LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1766 | 0.1826 | -.0059 |
| .940 | 0.0652 | 0.0756 | -.0103 |
| .858 | -.0205 | -.0040 | -.0164 |
| .774 | -.0941 | -.0717 | -.0224 |
| .720 | -.1362 | -.1102 | -.0260 |
| .679 | -.1450 | -.1162 | -.0287 |
| .578 | -.1675 | -.1281 | -.0394 |
| .423 | -.1959 | -.1261 | -.0697 |
| .298 | -.2062 | -.0960 | -.1101 |
| .228 | -.1976 | -.0621 | -.1355 |
| .151 | -.1673 | -.0801 | -.0872 |
| .060 | -.1090 | -.1668 | 0.0577 |
| .012 | 0.1840 | -.1940 | 0.3780 |

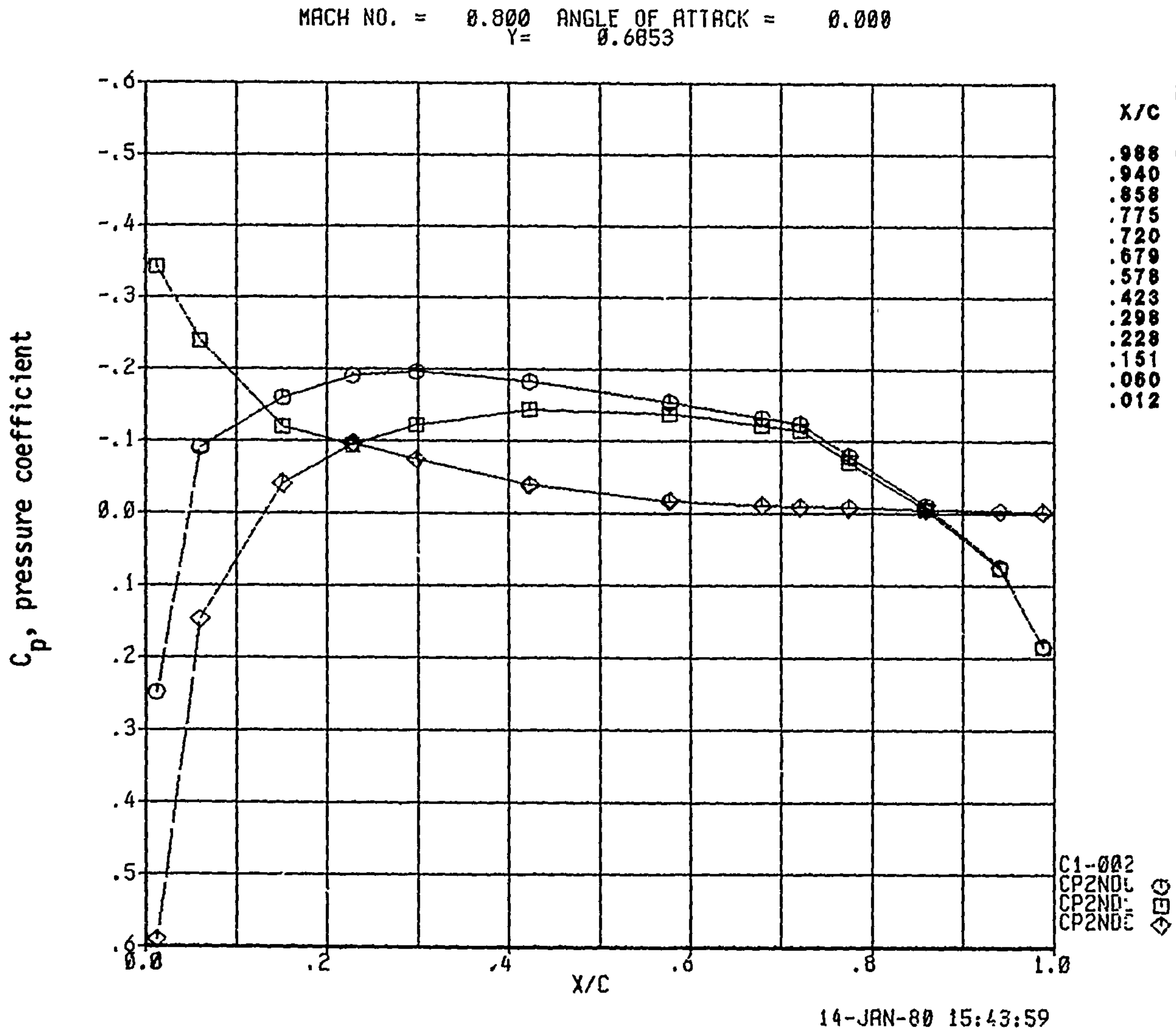
Figure 358, Chordwise Pressure Distribution, Steady, Configuration 3'

MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 0.3524



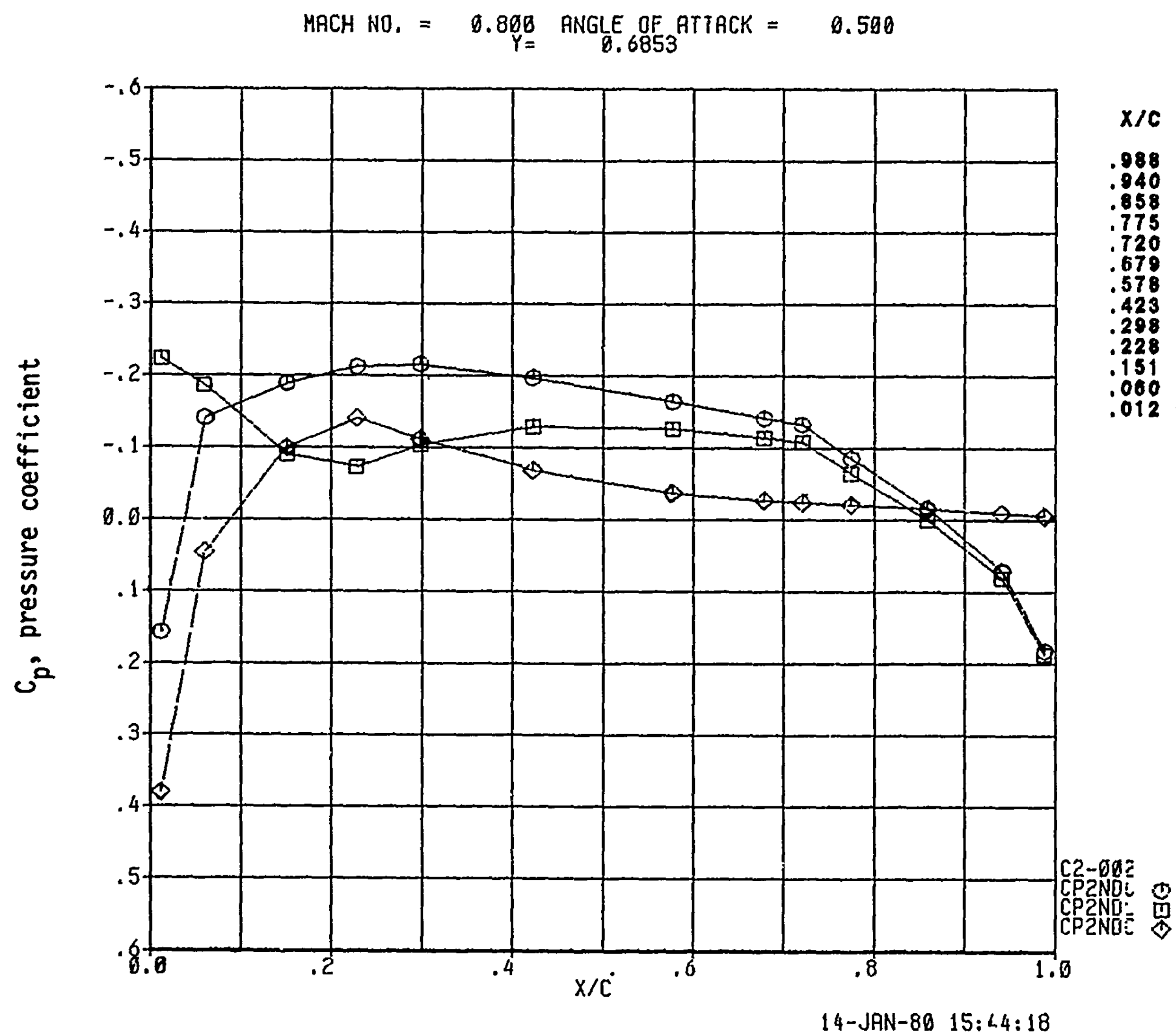

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1813 | 0.1779 | 0.0034 |
| .940 | 0.0727 | 0.0681 | 0.0047 |
| .858 | -.0092 | -.0154 | 0.0061 |
| .774 | -.0792 | -.0865 | 0.0073 |
| .720 | -.1194 | -.1270 | 0.0077 |
| .679 | -.1266 | -.1346 | 0.0079 |
| .578 | -.1446 | -.1511 | 0.0065 |
| .423 | -.1646 | -.1571 | -.0075 |
| .298 | -.1677 | -.1342 | -.0335 |
| .228 | -.1544 | -.1056 | -.0488 |
| .151 | -.1125 | -.1368 | 0.0243 |
| .060 | -.0258 | -.2585 | 0.2327 |
| .012 | 0.3278 | -.3886 | 0.7164 |

Figure 359, Chordwise Pressure Distribution, Steady, Configuration 3



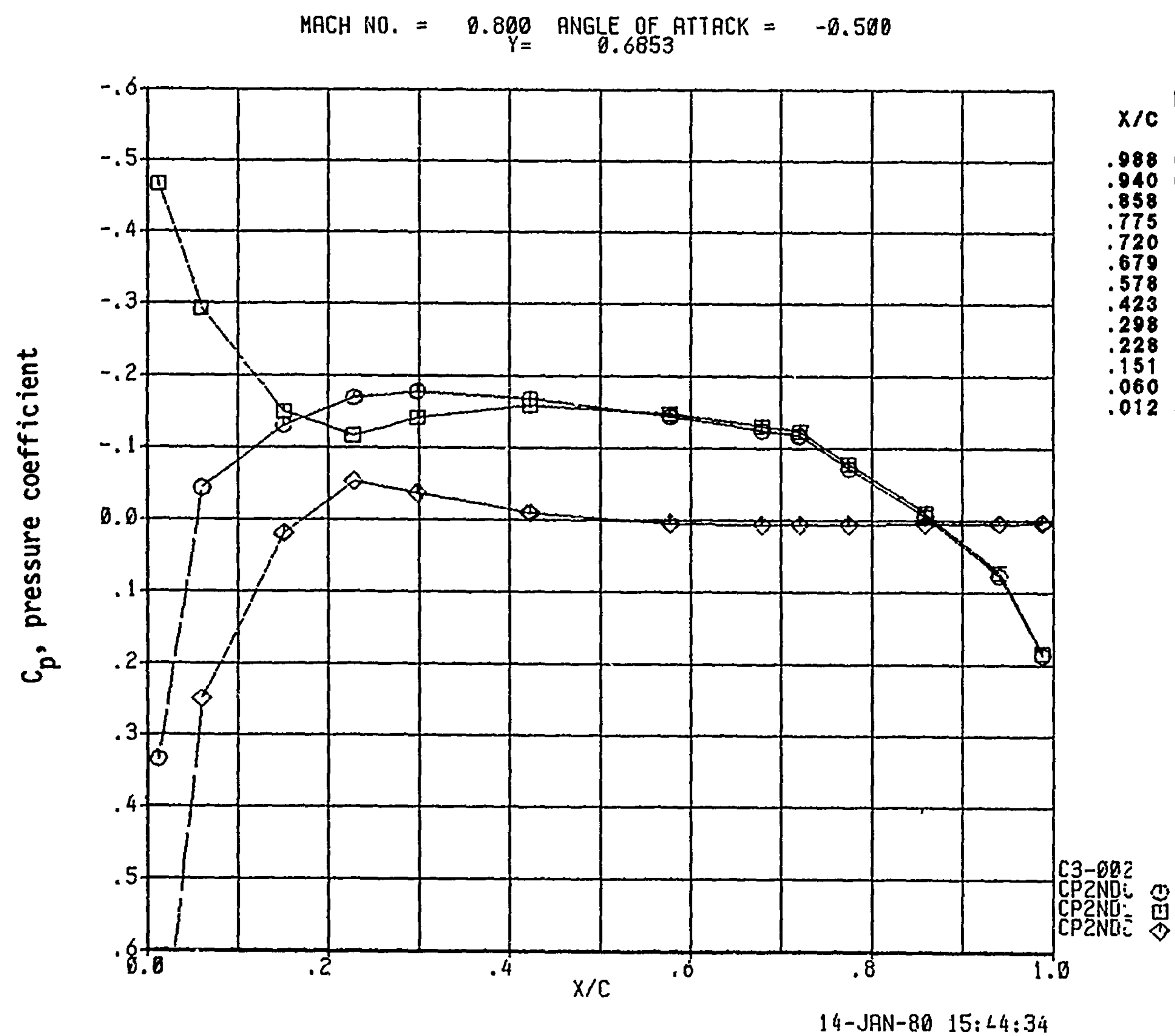

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1810 | 0.1823 | -.0013 |
| .940 | 0.0703 | 0.0731 | -.0029 |
| .858 | -.0137 | -.0086 | -.0051 |
| .775 | -.0854 | -.0779 | -.0075 |
| .720 | -.1272 | -.1181 | -.0091 |
| .679 | -.1358 | -.1255 | -.0103 |
| .578 | -.1572 | -.1410 | -.0162 |
| .423 | -.1857 | -.1473 | -.0385 |
| .298 | -.1993 | -.1259 | -.0733 |
| .228 | -.1935 | -.0978 | -.0957 |
| .151 | -.1623 | -.1235 | -.0388 |
| .060 | -.0938 | -.2436 | 0.1499 |
| .012 | 0.2464 | -.3485 | 0.5949 |

Figure 360, Chordwise Pressure Distribution, Steady, Configuration 3



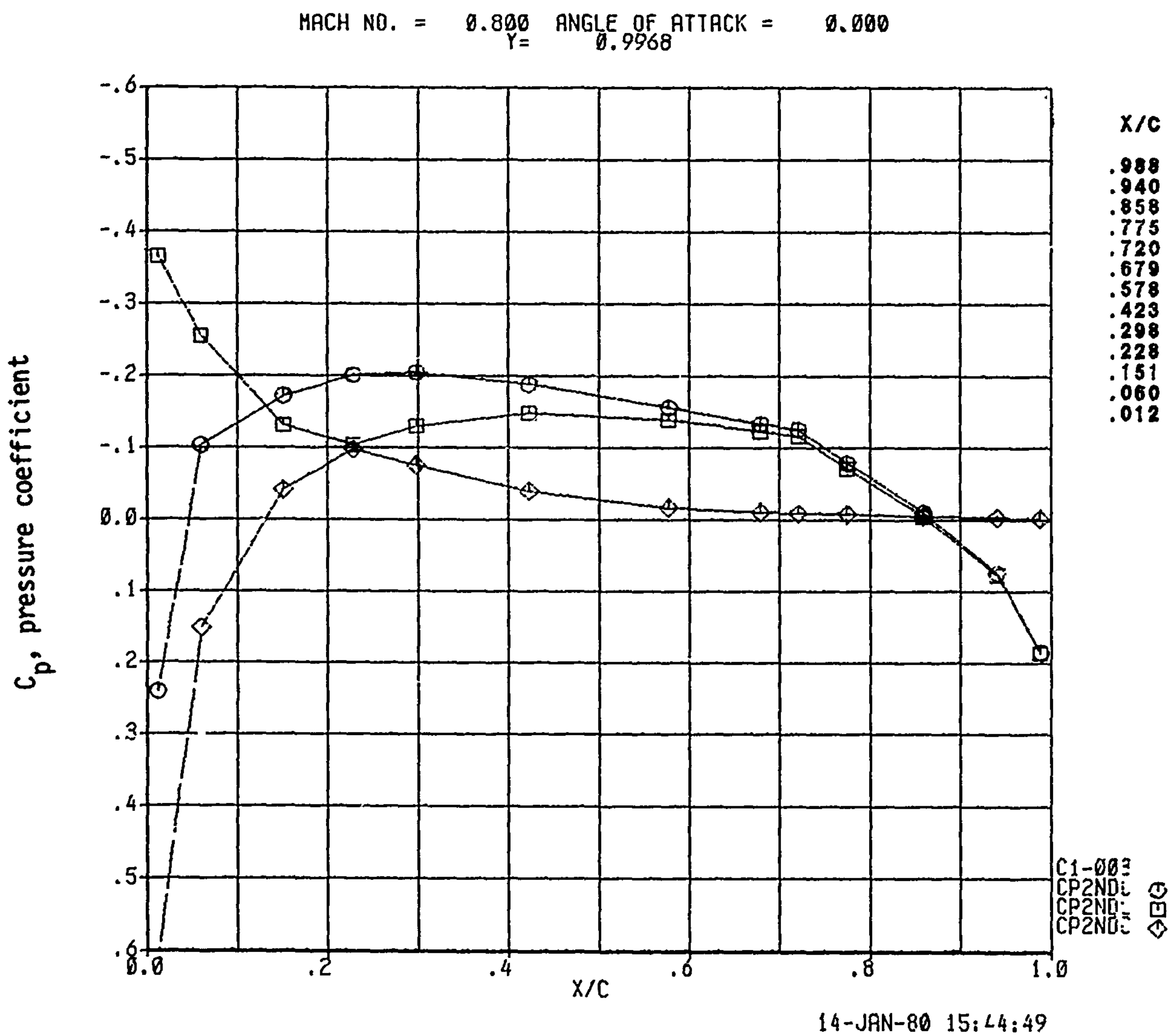

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1786 | 0.1846 | -.0060 |
| .940 | 0.0665 | 0.0768 | -.0103 |
| .858 | -.0194 | -.0031 | -.0163 |
| .775 | -.0927 | -.0707 | -.0220 |
| .720 | -.1355 | -.1100 | -.0255 |
| .679 | -.1448 | -.1166 | -.0283 |
| .578 | -.1686 | -.1298 | -.0388 |
| .423 | -.2017 | -.1318 | -.0699 |
| .298 | -.2195 | -.1062 | -.1133 |
| .228 | -.2168 | -.0747 | -.1421 |
| .151 | -.1935 | -.0919 | -.1016 |
| .060 | -.1452 | -.1881 | 0.0428 |
| .012 | 0.1511 | -.2240 | 0.3751 |

Figure 361, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1833 | 0.1798 | 0.0035 |
| .940 | 0.0739 | 0.0693 | 0.0046 |
| .858 | -.0082 | -.0142 | 0.0060 |
| .775 | -.0782 | -.0852 | 0.0070 |
| .720 | -.1191 | -.1265 | 0.0074 |
| .679 | -.1269 | -.1346 | 0.0077 |
| .578 | -.1460 | -.1524 | 0.0064 |
| .423 | -.1701 | -.1630 | -.0071 |
| .298 | -.1794 | -.1459 | -.0334 |
| .228 | -.1705 | -.1211 | -.0494 |
| .151 | -.1317 | -.1555 | 0.0239 |
| .060 | -.0435 | -.3004 | 0.2569 |
| .012 | 0.3361 | -.4787 | 0.8147 |

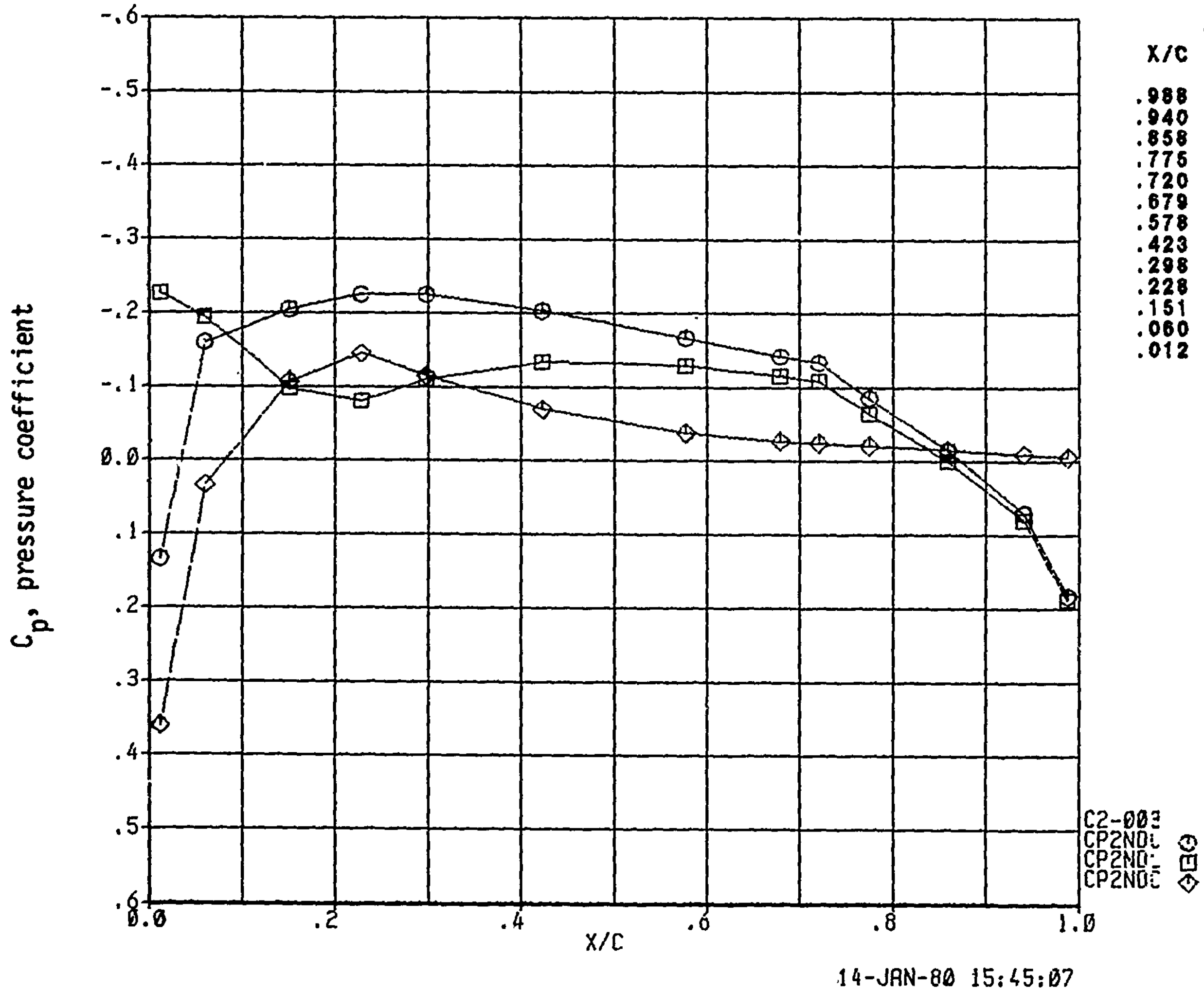
Figure 362, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1822 | 0.1835 | -.0013 |
| .940 | 0.0713 | 0.0741 | -.0029 |
| .858 | -.0131 | -.0080 | -.0051 |
| .775 | -.0852 | -.0777 | -.0075 |
| .720 | -.1276 | -.1185 | -.0091 |
| .679 | -.1366 | -.1263 | -.0104 |
| .578 | -.1592 | -.1429 | -.0164 |
| .423 | -.1906 | -.1518 | -.0388 |
| .298 | -.2074 | -.1335 | -.0739 |
| .228 | -.2034 | -.1072 | -.0962 |
| .151 | -.1738 | -.1345 | -.0393 |
| .060 | -.1048 | -.2590 | 0.1542 |
| .012 | 0.2395 | -.3715 | 0.6110 |

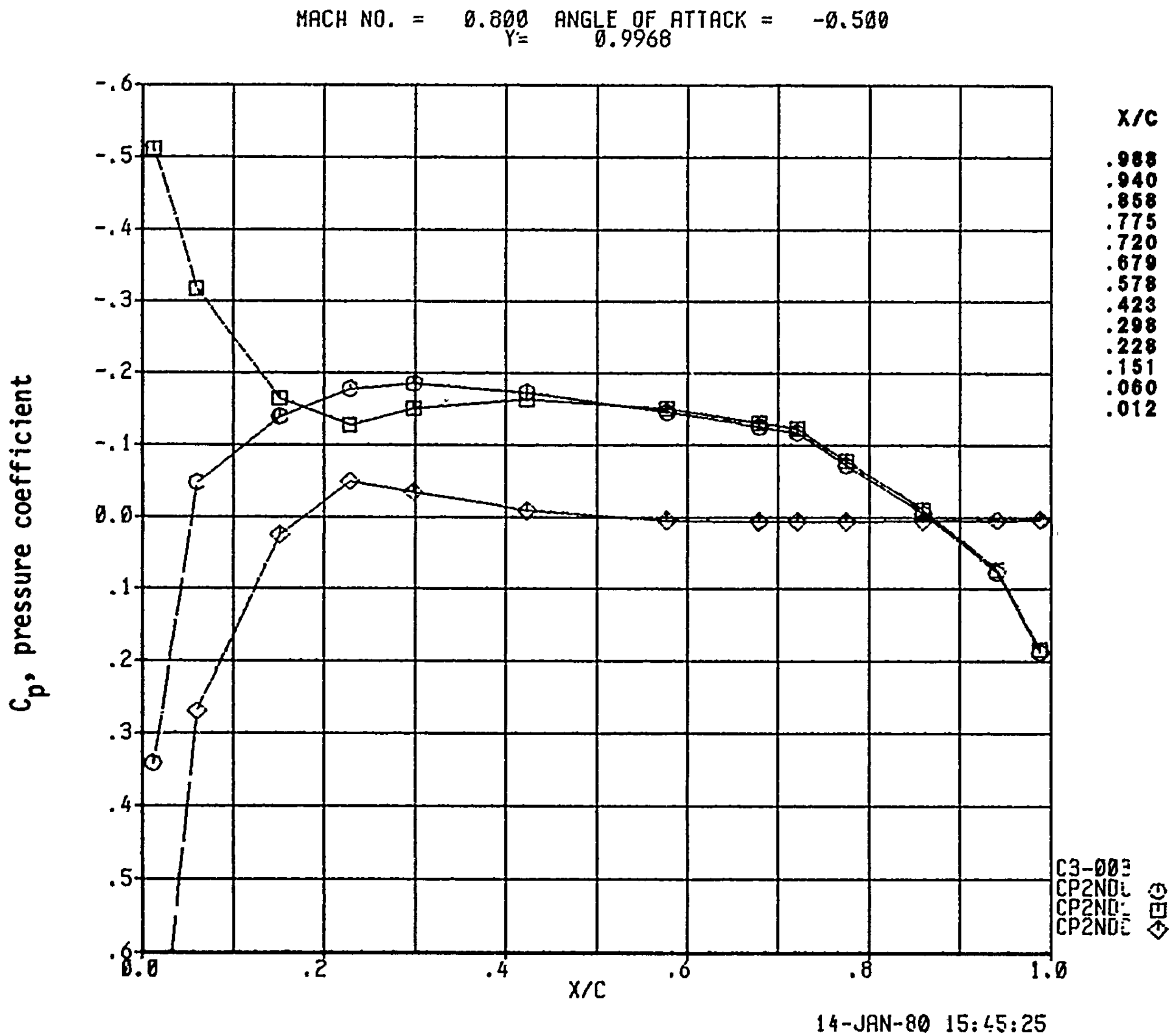
Figure 363, Chordwise Pressure Distribution, Steady, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 0.9968



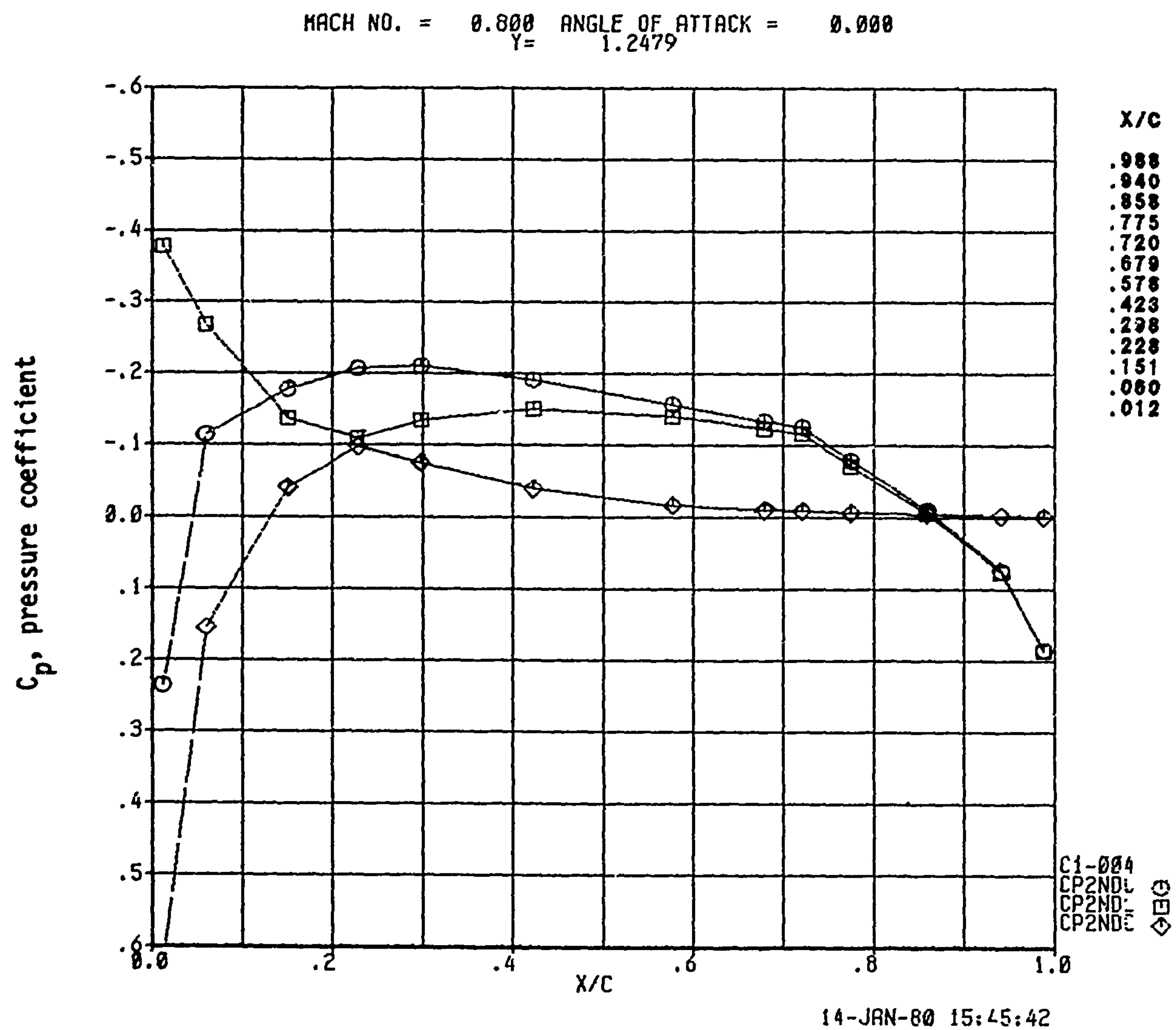

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1797 | 0.1858 | -.0060 |
| .940 | 0.0675 | 0.0778 | -.0102 |
| .858 | -.0186 | -.0027 | -.0160 |
| .775 | -.0924 | -.0708 | -.0216 |
| .720 | -.1357 | -.1106 | -.0252 |
| .679 | -.1455 | -.1175 | -.0279 |
| .578 | -.1705 | -.1317 | -.0388 |
| .423 | -.2069 | -.1360 | -.0709 |
| .298 | -.2287 | -.1126 | -.1160 |
| .228 | -.2286 | -.0824 | -.1461 |
| .151 | -.2085 | -.0995 | -.1090 |
| .060 | -.1641 | -.1951 | 0.0310 |
| .012 | 0.1276 | -.2261 | 0.3536 |

Figure 364, Chordwise Pressure Distribution, Steady, Configuration 3



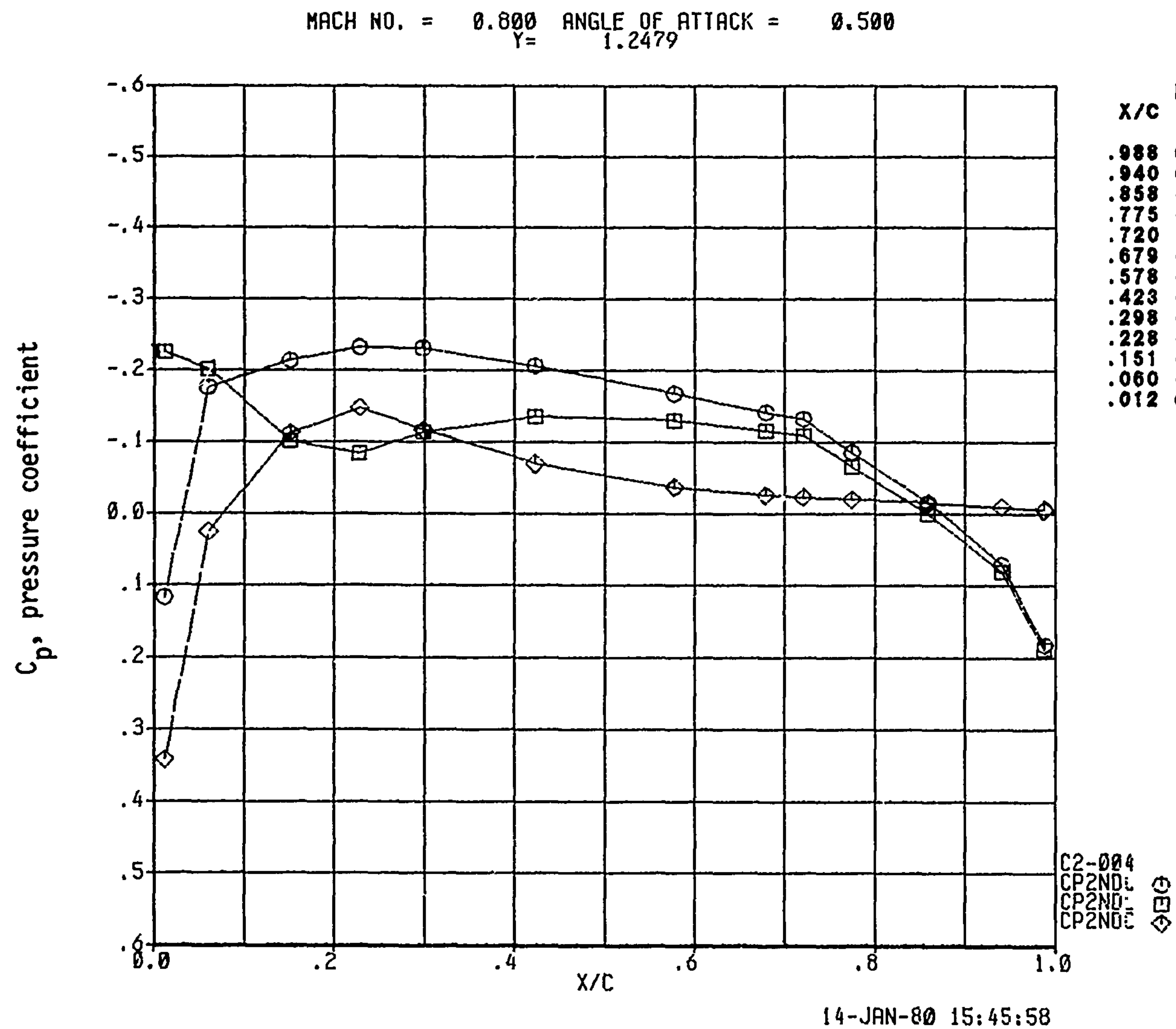

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1845 | 0.1810 | 0.0035 |
| .940 | 0.0749 | 0.0703 | 0.0045 |
| .858 | -.0078 | -.0135 | 0.0057 |
| .775 | -.0783 | -.0849 | 0.0066 |
| .720 | -.1197 | -.1266 | 0.0069 |
| .679 | -.1279 | -.1351 | 0.0071 |
| .578 | -.1481 | -.1542 | 0.0061 |
| .423 | -.1747 | -.1679 | -.0068 |
| .298 | -.1864 | -.1546 | -.0317 |
| .228 | -.1786 | -.1323 | -.0463 |
| .151 | -.1396 | -.1700 | 0.0304 |
| .060 | -.0470 | -.3243 | 0.2773 |
| .012 | 0.3440 | -.5244 | 0.8683 |

Figure 365, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1826 | 0.1839 | -.0012 |
| .940 | 0.0717 | 0.0745 | -.0028 |
| .858 | -.0127 | -.0077 | -.0050 |
| .775 | -.0850 | -.0776 | -.0073 |
| .720 | -.1275 | -.1185 | -.0090 |
| .679 | -.1369 | -.1265 | -.0103 |
| .578 | -.1601 | -.1436 | -.0166 |
| .423 | -.1936 | -.1544 | -.0393 |
| .298 | -.2119 | -.1374 | -.0745 |
| .228 | -.2084 | -.1122 | -.0962 |
| .151 | -.1791 | -.1399 | -.0391 |
| .060 | -.1144 | -.2714 | 0.1570 |
| .012 | 0.2354 | -.3836 | 0.6189 |

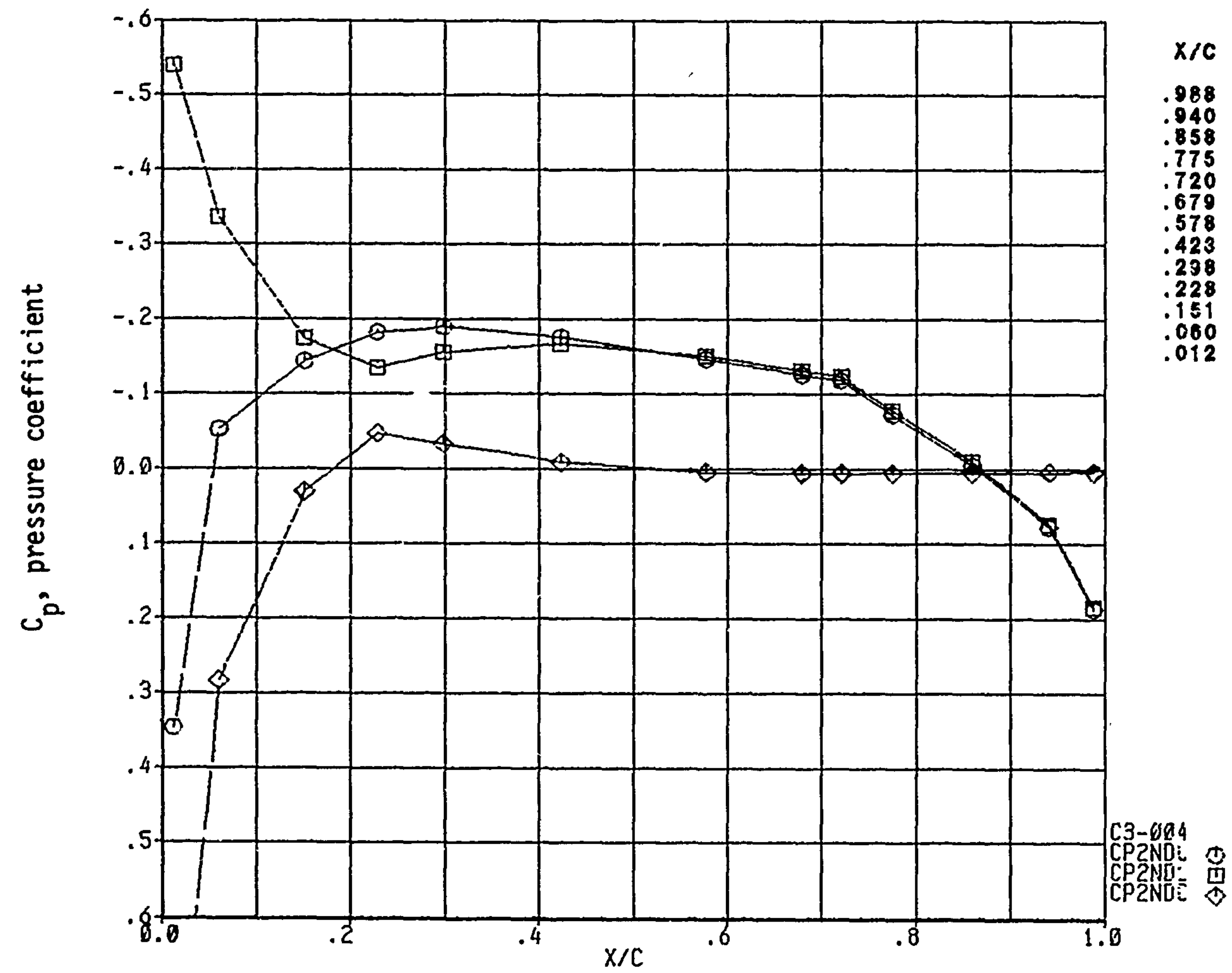
Figure 366, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1802 | 0.1862 | -.0059 |
| .940 | 0.0681 | 0.0780 | -.0099 |
| .858 | -.0180 | -.0025 | -.0154 |
| .775 | -.0918 | -.0710 | -.0207 |
| .720 | -.1352 | -.1110 | -.0243 |
| .679 | -.1453 | -.1182 | -.0270 |
| .578 | -.1711 | -.1329 | -.0382 |
| .423 | -.2098 | -.1386 | -.0713 |
| .298 | -.2340 | -.1160 | -.1179 |
| .228 | -.2349 | -.0862 | -.1487 |
| .151 | -.2164 | -.1024 | -.1140 |
| .060 | -.1795 | -.2015 | 0.0219 |
| .012 | 0.1112 | -.2230 | 0.3342 |

Figure 367, Chordwise Pressure Distribution, Steady, Configuration 3

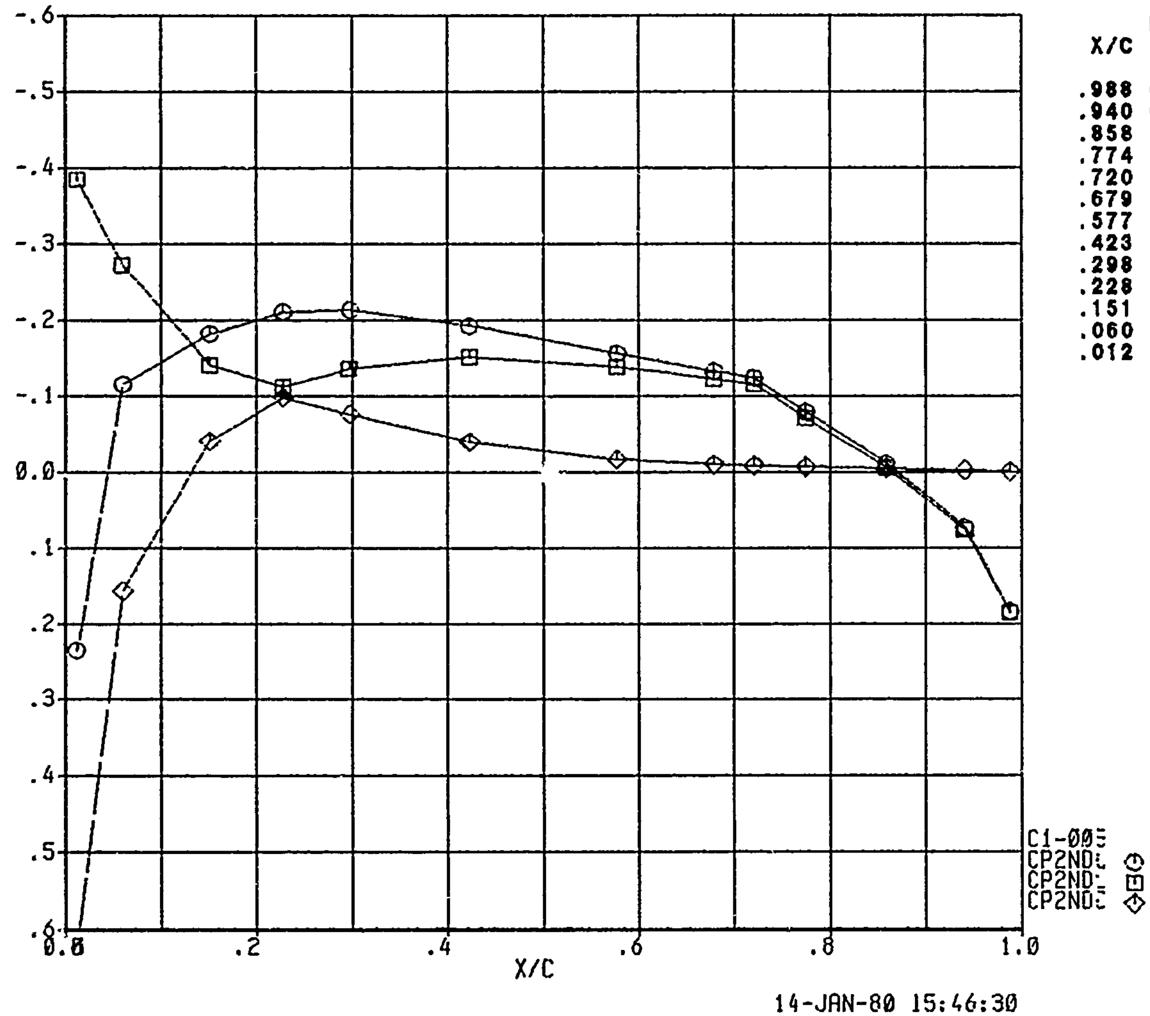
MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1849 | 0.1814 | 0.0035 |
| .940 | 0.0752 | 0.0708 | 0.0043 |
| .858 | -.0076 | -.0129 | 0.0053 |
| .775 | -.0784 | -.0844 | 0.0060 |
| .720 | -.1200 | -.1262 | 0.0062 |
| .679 | -.1286 | -.1350 | 0.0062 |
| .578 | -.1494 | -.1545 | 0.0051 |
| .423 | -.1777 | -.1705 | -.0072 |
| .298 | -.1903 | -.1592 | -.0311 |
| .228 | -.1823 | -.1386 | -.0438 |
| .151 | -.1424 | -.1781 | 0.0357 |
| .060 | -.0509 | -.3429 | 0.2920 |
| .012 | 0.3505 | -.5531 | 0.9036 |

Figure 368, Chordwise Pressure Distribution, Steady, Configuration 3

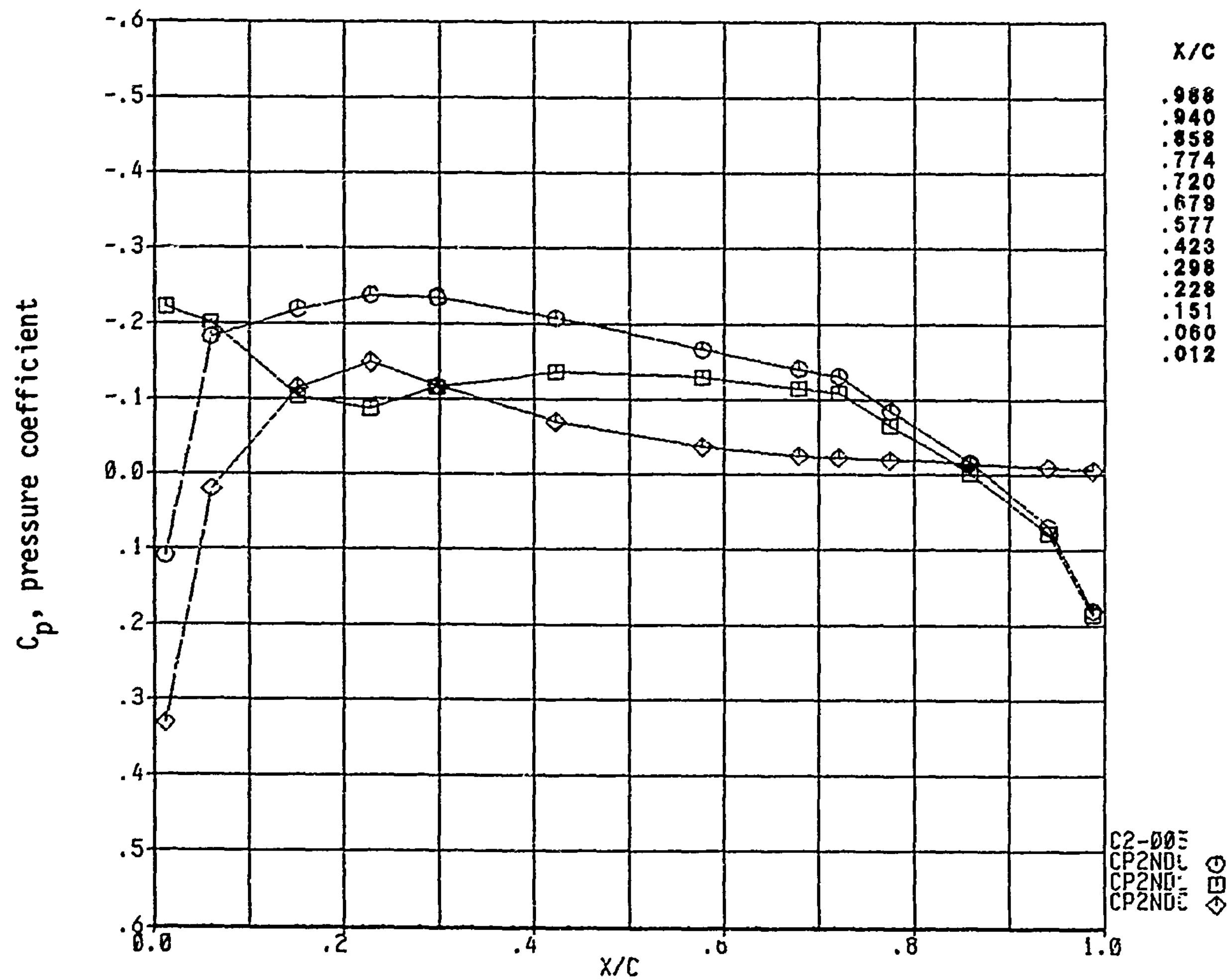
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1826 | 0.1838 | -.0011 |
| .940 | 0.0718 | 0.0745 | -.0027 |
| .858 | -.0124 | -.0075 | -.0048 |
| .774 | -.0845 | -.0774 | -.0071 |
| .720 | -.1271 | -.1183 | -.0088 |
| .679 | -.1364 | -.1263 | -.0101 |
| .577 | -.1601 | -.1435 | -.0165 |
| .423 | -.1952 | -.1555 | -.0397 |
| .298 | -.2149 | -.1396 | -.0753 |
| .228 | -.2117 | -.1148 | -.0969 |
| .151 | -.1821 | -.1429 | -.0393 |
| .060 | -.1157 | -.2748 | 0.1591 |
| .012 | 0.2362 | -.3892 | 0.6253 |

Figure 369, Chordwise Pressure Distribution, Steady, Configuration 3

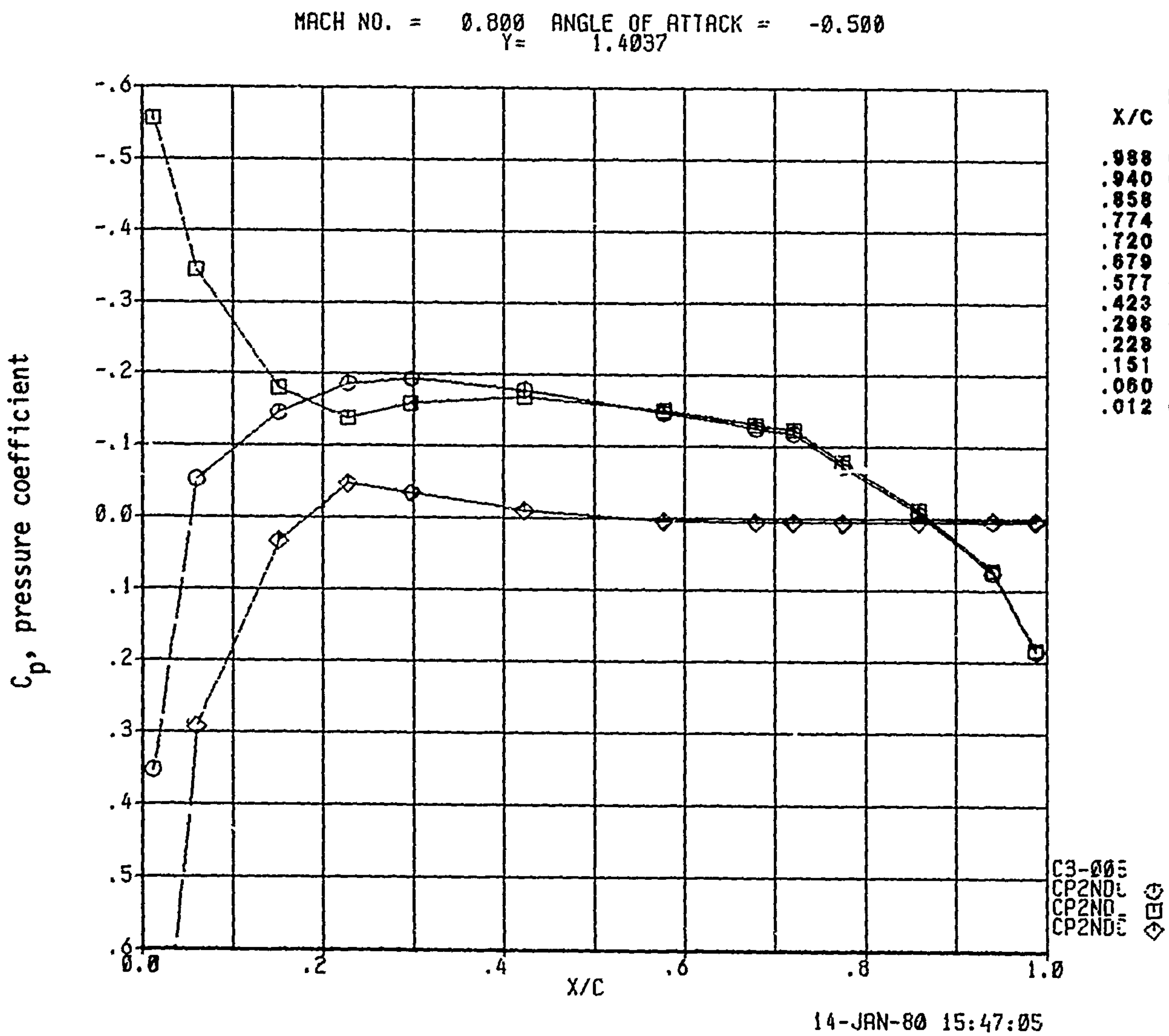
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1802 | 0.1860 | -.0058 |
| .940 | 0.0C83 | 0.0778 | -.0096 |
| .858 | -.0174 | -.0027 | -.0147 |
| .774 | -.0910 | -.0712 | -.0198 |
| .720 | -.1344 | -.1112 | -.0231 |
| .679 | -.1443 | -.1185 | -.0258 |
| .577 | -.1704 | -.1333 | -.0371 |
| .423 | -.2111 | -.1400 | -.0711 |
| .298 | -.2370 | -.1182 | -.1188 |
| .228 | -.2386 | -.0885 | -.1502 |
| .151 | -.2208 | -.1040 | -.1168 |
| .060 | -.1844 | -.2012 | 0.0169 |
| .012 | 0.1042 | -.2192 | 0.3235 |

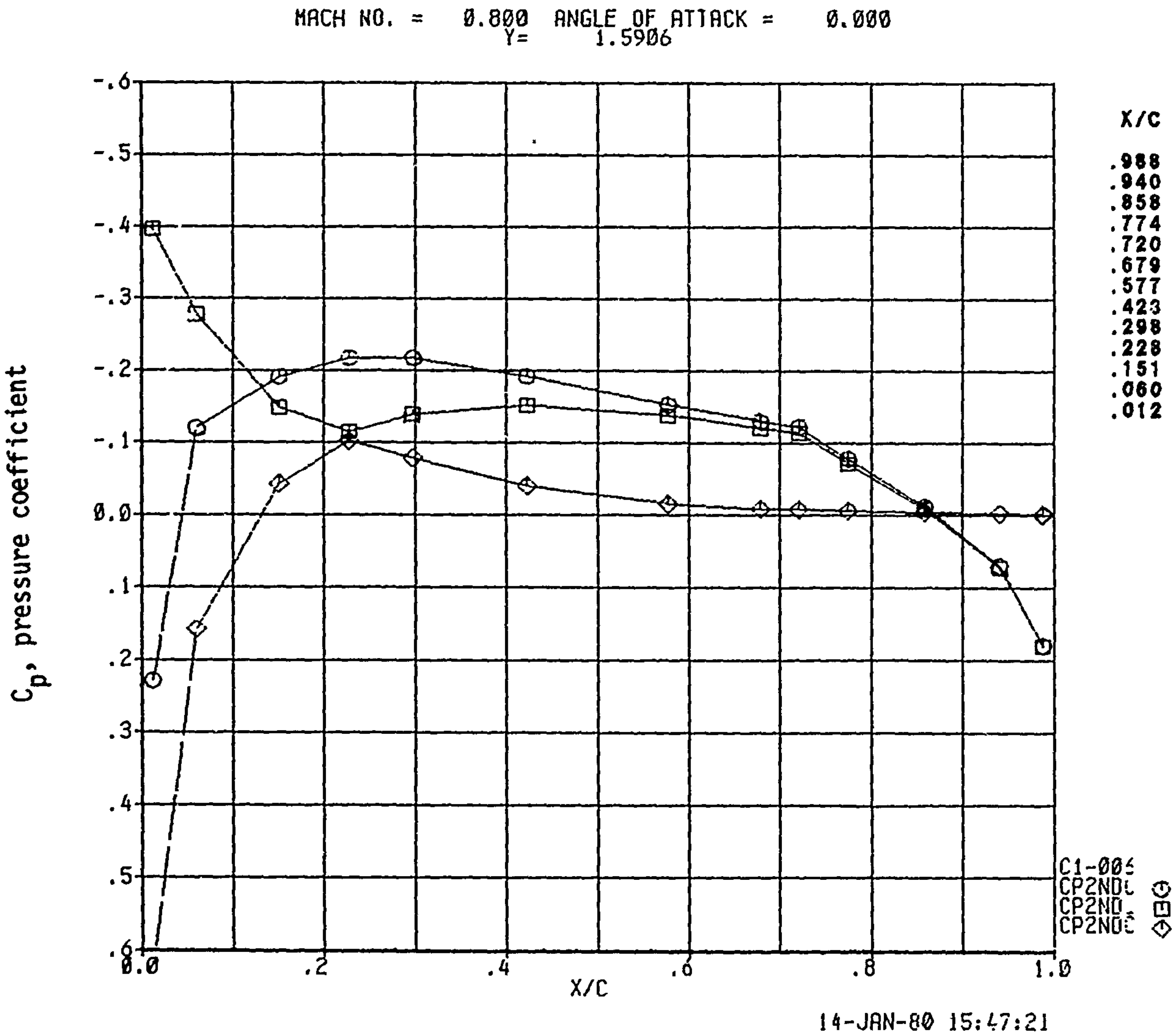
14-JAN-80 15:46:47

Figure 370, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1848 | 0.1813 | 0.0036 |
| .940 | 0.0751 | 0.0708 | 0.0042 |
| .858 | -.0075 | -.0126 | 0.0050 |
| .774 | -.0783 | -.0839 | 0.0056 |
| .720 | -.1200 | -.1256 | 0.0056 |
| .679 | -.1287 | -.1343 | 0.0055 |
| .577 | -.1499 | -.1539 | 0.0040 |
| .423 | -.1796 | -.1712 | -.0084 |
| .298 | -.1933 | -.1614 | -.0319 |
| .228 | -.1853 | -.1417 | -.0436 |
| .151 | -.1442 | -.1824 | 0.0382 |
| .060 | -.0489 | -.3502 | 0.3013 |
| .012 | 0.3581 | -.5691 | 0.9272 |

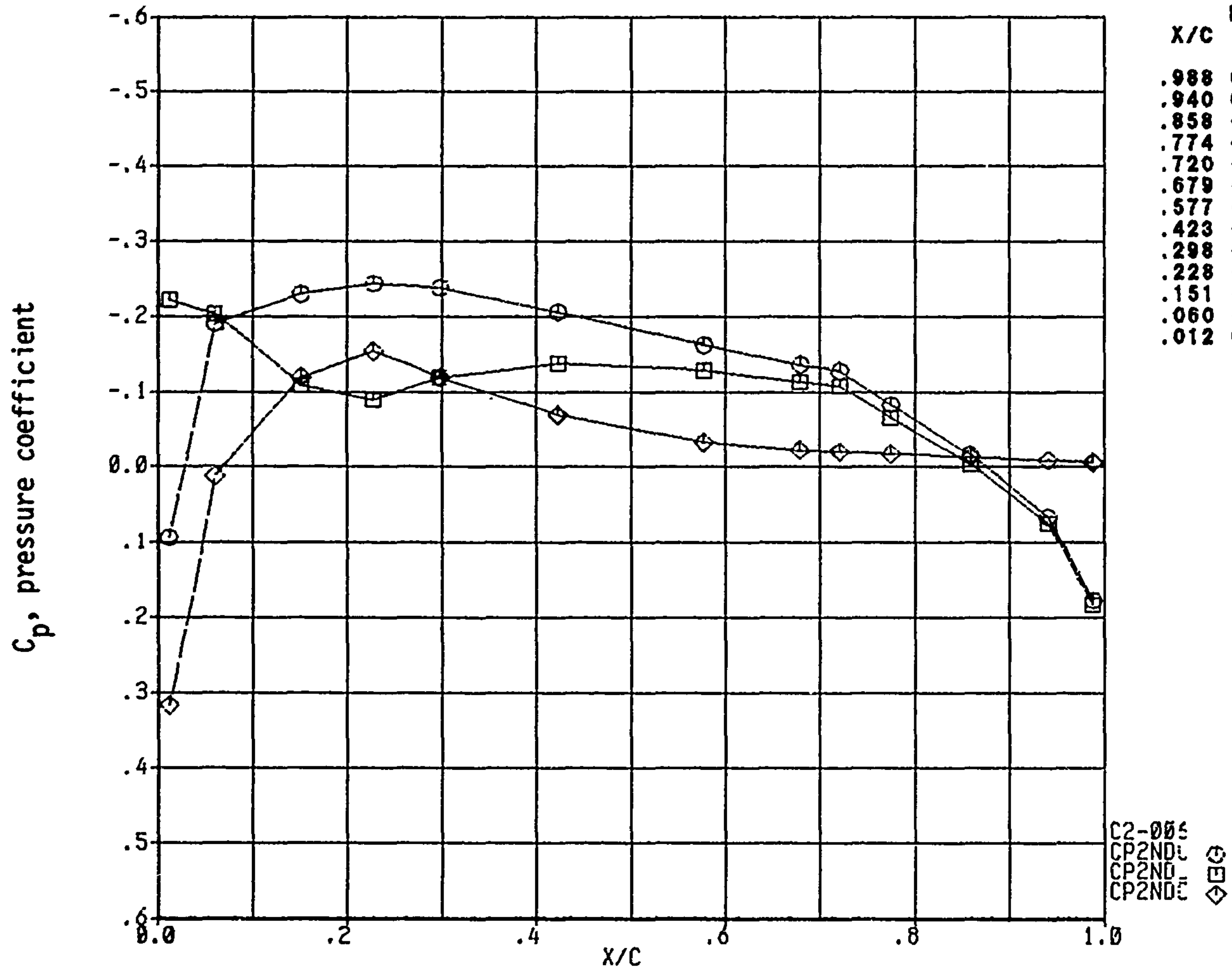
Figure 371, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1820 | 0.1831 | -.0010 |
| .940 | 0.0716 | 0.0740 | -.0024 |
| .858 | -.0118 | -.0074 | -.0043 |
| .774 | -.0830 | -.0765 | -.0065 |
| .720 | -.1248 | -.1169 | -.0080 |
| .679 | -.1338 | -.1246 | -.0092 |
| .577 | -.1586 | -.1428 | -.0157 |
| .423 | -.1968 | -.1563 | -.0404 |
| .298 | -.2191 | -.1419 | -.0772 |
| .228 | -.2174 | -.1169 | -.1004 |
| .151 | -.1895 | -.1494 | -.0400 |
| .060 | -.1180 | -.2788 | 0.1608 |
| .012 | 0.2321 | -.3988 | 0.6309 |

Figure 372, Chordwise Pressure Distribution, Steady, Configuration 3

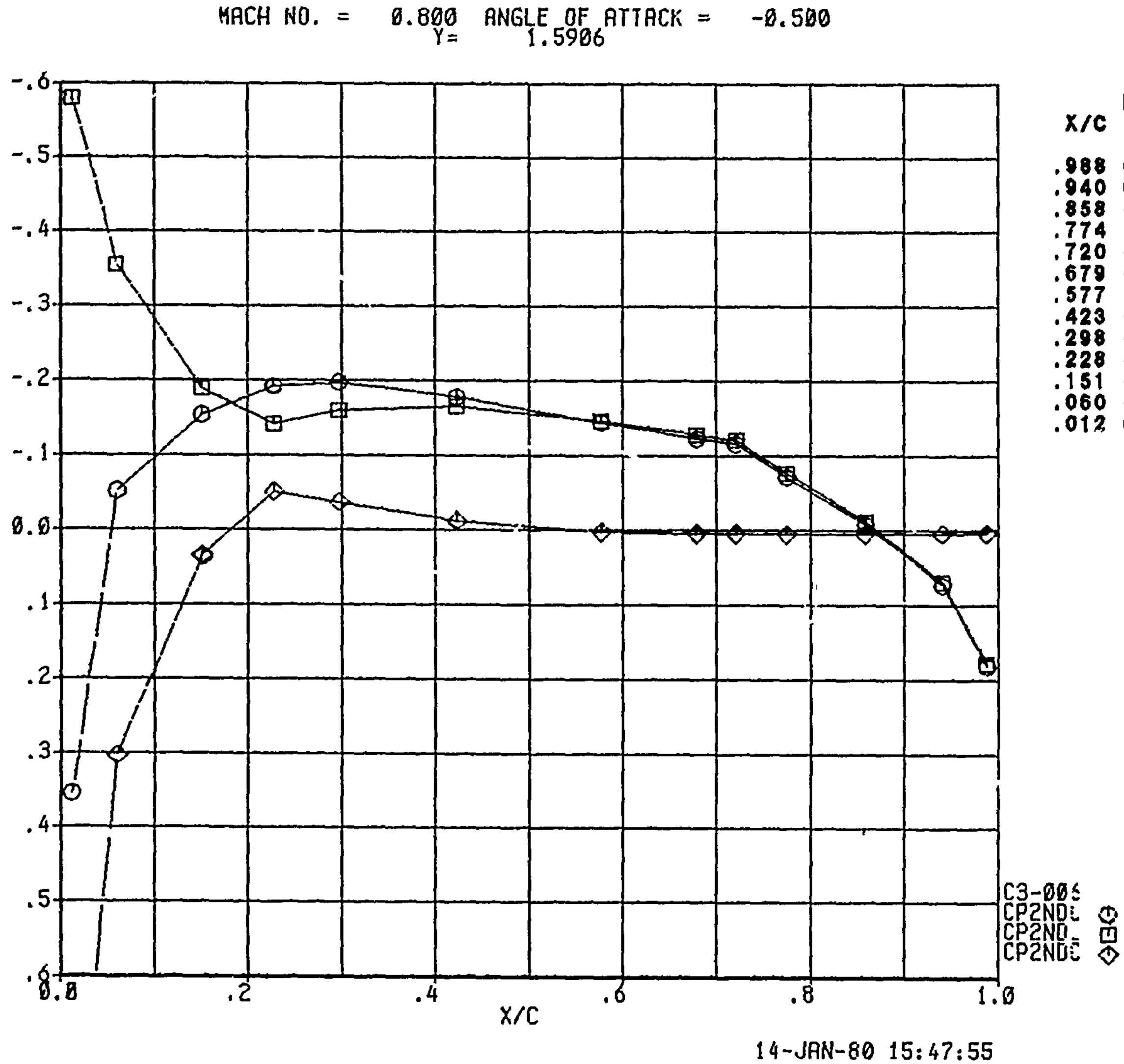
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.5906




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1796 | 0.1853 | -.0057 |
| .940 | 0.0682 | 0.0771 | -.0089 |
| .858 | -.0164 | -.0030 | -.0134 |
| .774 | -.0889 | -.0709 | -.0180 |
| .720 | -.1313 | -.1105 | -.0208 |
| .679 | -.1408 | -.1178 | -.0230 |
| .577 | -.1677 | -.1340 | -.0338 |
| .423 | -.2113 | -.1422 | -.0691 |
| .298 | -.2400 | -.1215 | -.1186 |
| .228 | -.2436 | -.0912 | -.1525 |
| .151 | -.2291 | -.1097 | -.1193 |
| .060 | -.1908 | -.2011 | 0.0103 |
| .012 | 0.0914 | -.2183 | 0.3097 |

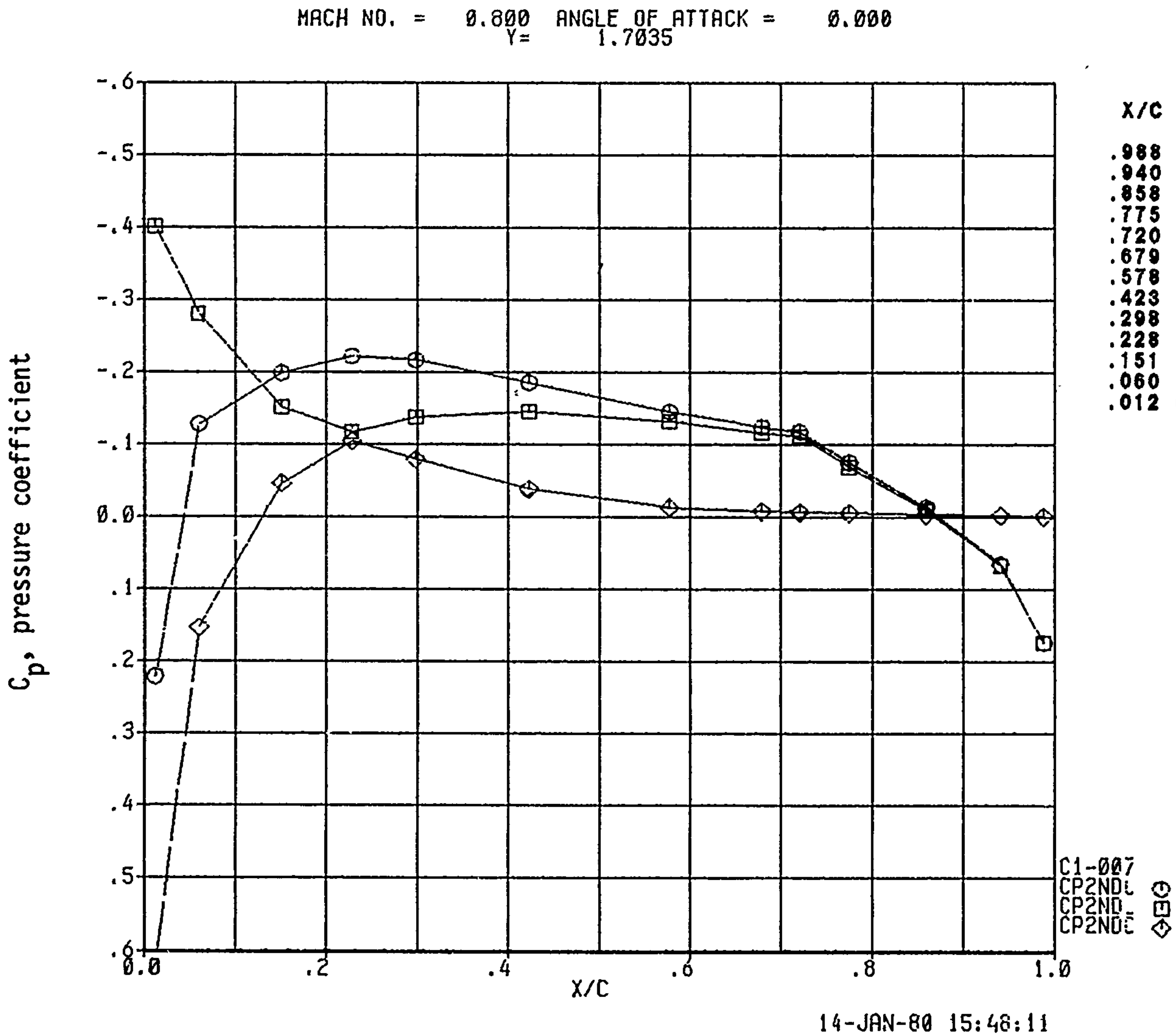
14-JAN-80 15:47:37

Figure 373, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1842 | 0.1805 | 0.0037 |
| .940 | 0.0747 | 0.0705 | 0.0042 |
| .858 | -.0074 | -.0121 | 0.0047 |
| .774 | -.0774 | -.0824 | 0.0050 |
| .720 | -.1186 | -.1234 | 0.0048 |
| .679 | -.1271 | -.1317 | 0.0046 |
| .577 | -.1497 | -.1521 | 0.0023 |
| .423 | -.1825 | -.1707 | -.0118 |
| .298 | -.1985 | -.1626 | -.0360 |
| .228 | -.1915 | -.1432 | -.0484 |
| .151 | -.1507 | -.1899 | 0.0393 |
| .060 | -.0473 | -.3587 | 0.3113 |
| .012 | 0.3615 | -.5906 | 0.9522 |

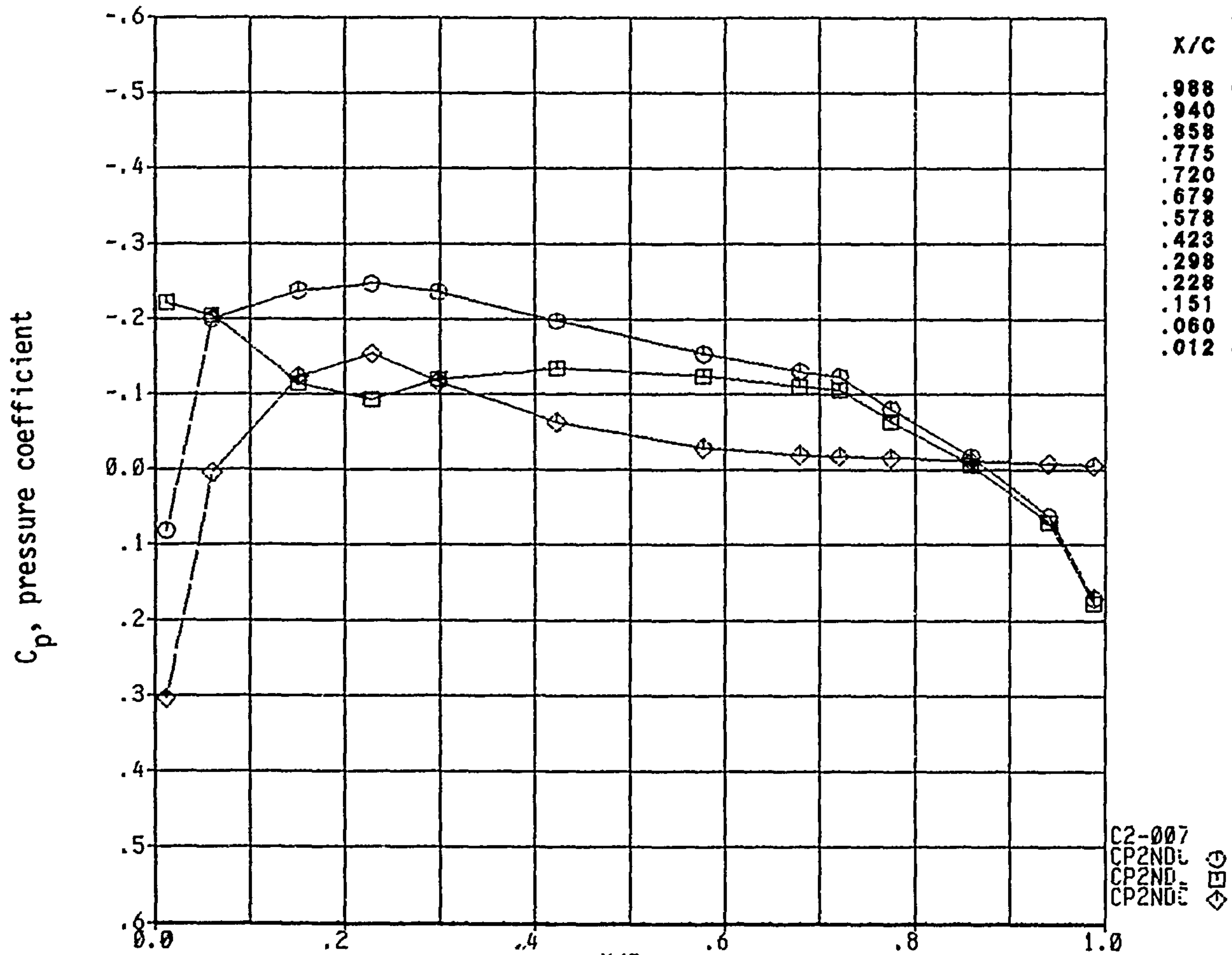
Figure 374, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1807 | 0.1816 | -.0008 |
| .940 | 0.0707 | 0.0729 | -.0021 |
| .858 | -.0112 | -.0074 | -.0038 |
| .775 | -.0806 | -.0750 | -.0056 |
| .720 | -.1215 | -.1146 | -.0071 |
| .679 | -.1300 | -.1219 | -.0081 |
| .578 | -.1539 | -.1395 | -.0144 |
| .423 | -.1939 | -.1541 | -.0397 |
| .298 | -.2208 | -.1422 | -.0787 |
| .228 | -.2216 | -.1187 | -.1029 |
| .151 | -.1947 | -.1513 | -.0434 |
| .060 | -.1226 | -.2804 | 0.1579 |
| .012 | 0.2269 | -.4021 | 0.6291 |

Figure 375, Chordwise Pressure Distribution, Steady, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.7035

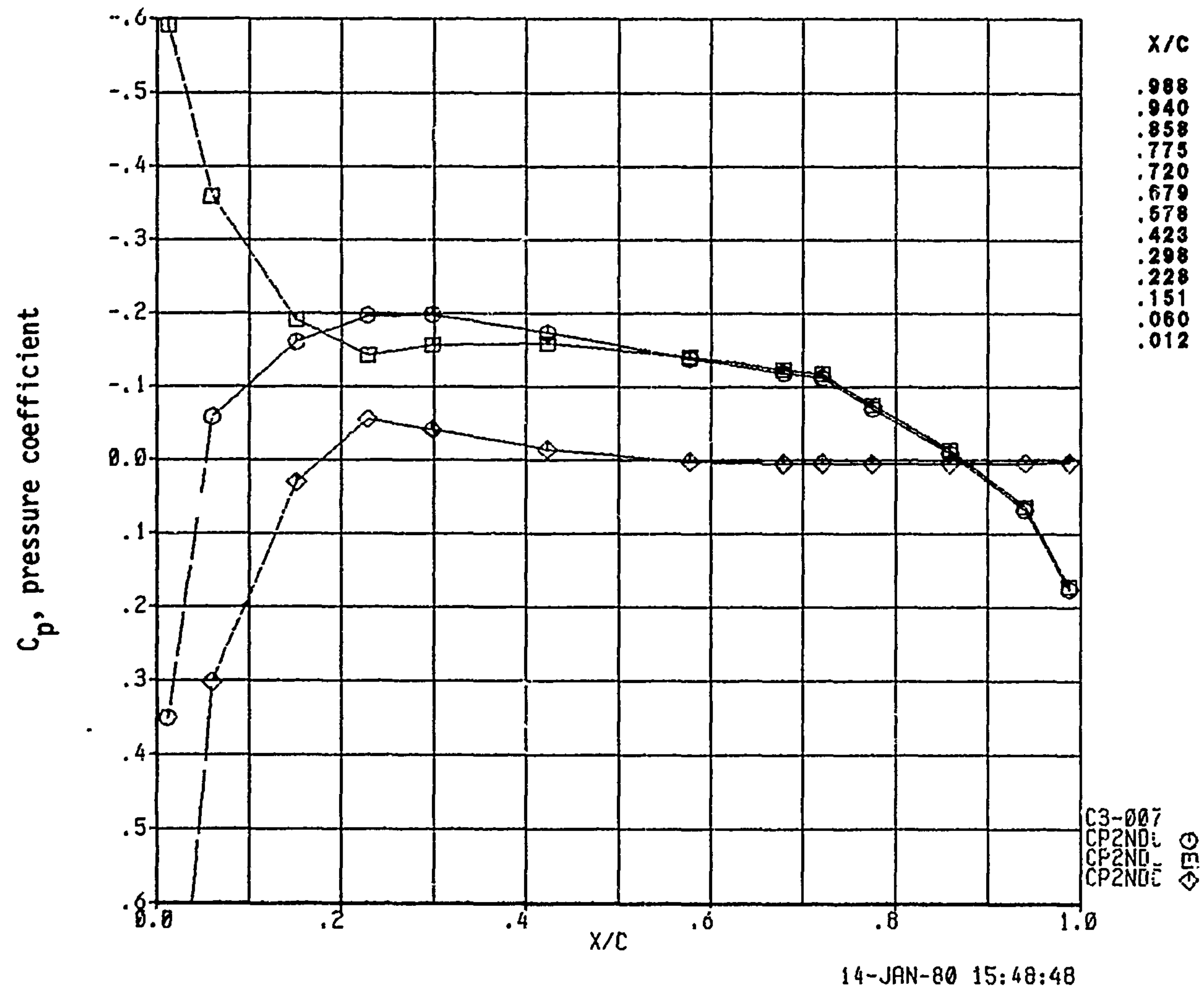



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1781 | 0.1838 | -.0056 |
| .940 | 0.0674 | 0.0758 | -.0085 |
| .858 | -.0155 | -.0033 | -.0123 |
| .775 | -.0860 | -.0699 | -.0161 |
| .720 | -.1275 | -.1090 | -.0186 |
| .679 | -.1363 | -.1159 | -.0204 |
| .578 | -.1619 | -.1318 | -.0301 |
| .423 | -.2066 | -.1419 | -.0647 |
| .298 | -.2397 | -.1238 | -.1158 |
| .228 | -.2462 | -.0947 | -.1515 |
| .151 | -.2331 | -.1127 | -.1203 |
| .060 | -.1960 | -.2020 | 0.0061 |
| .012 | 0.0827 | -.2174 | 0.3001 |

14-JAN-80 15:48:30

Figure 376, Chordwise Pressure Distribution, Steady, Configuration 3

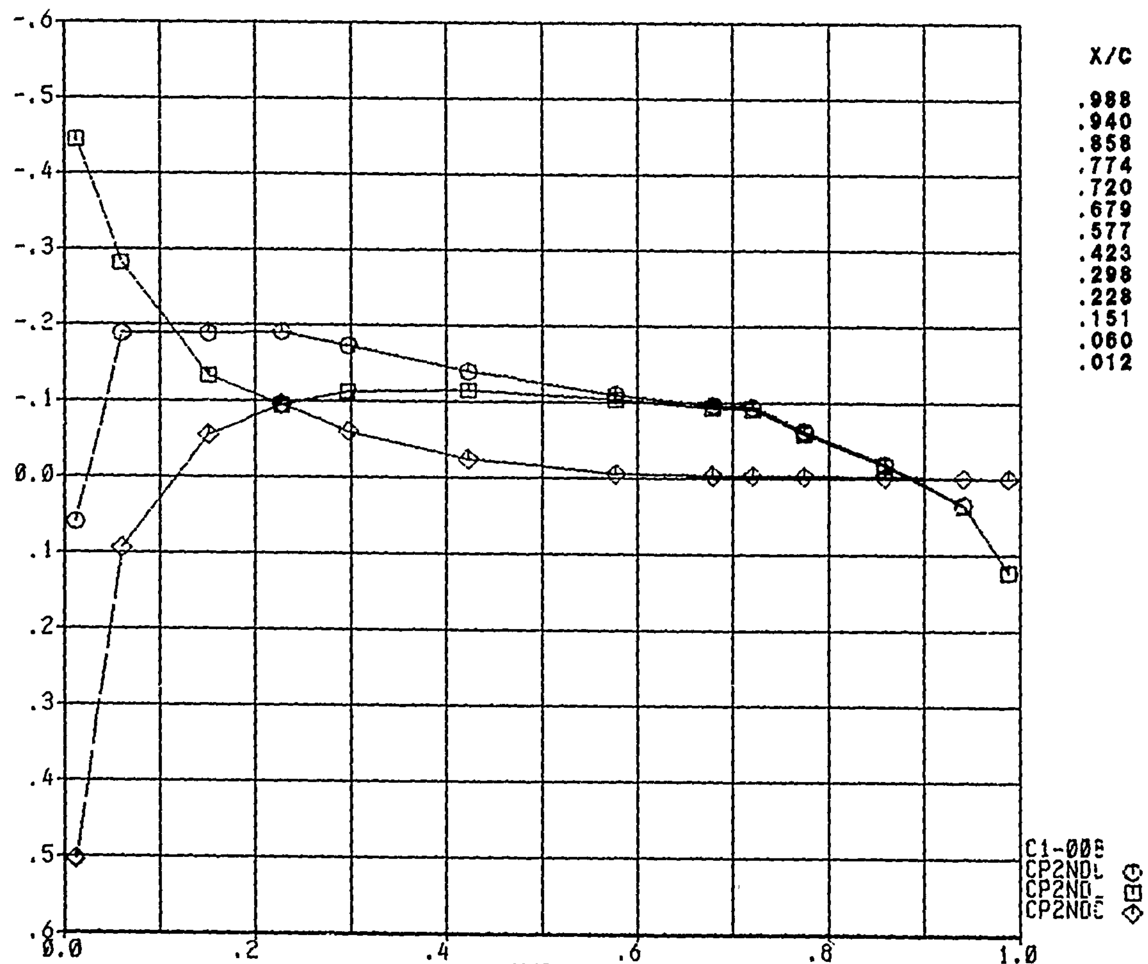
MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1828 | 0.1790 | 0.0039 |
| .940 | 0.0737 | 0.0694 | 0.0043 |
| .858 | -.0072 | -.0119 | 0.0047 |
| .775 | -.0757 | -.0804 | 0.0048 |
| .720 | -.1161 | -.1205 | 0.0045 |
| .679 | -.1241 | -.1283 | 0.0043 |
| .578 | -.1463 | -.1477 | 0.0014 |
| .423 | -.1816 | -.1668 | -.0147 |
| .298 | -.2023 | -.1608 | -.0415 |
| .228 | -.1976 | -.1432 | -.0544 |
| .151 | -.1571 | -.1906 | 0.0336 |
| .060 | -.0513 | -.3611 | 0.3097 |
| .012 | 0.3594 | -.5987 | 0.9581 |

Figure 377, Chordwise Pressure Distribution, Steady, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 1.9021

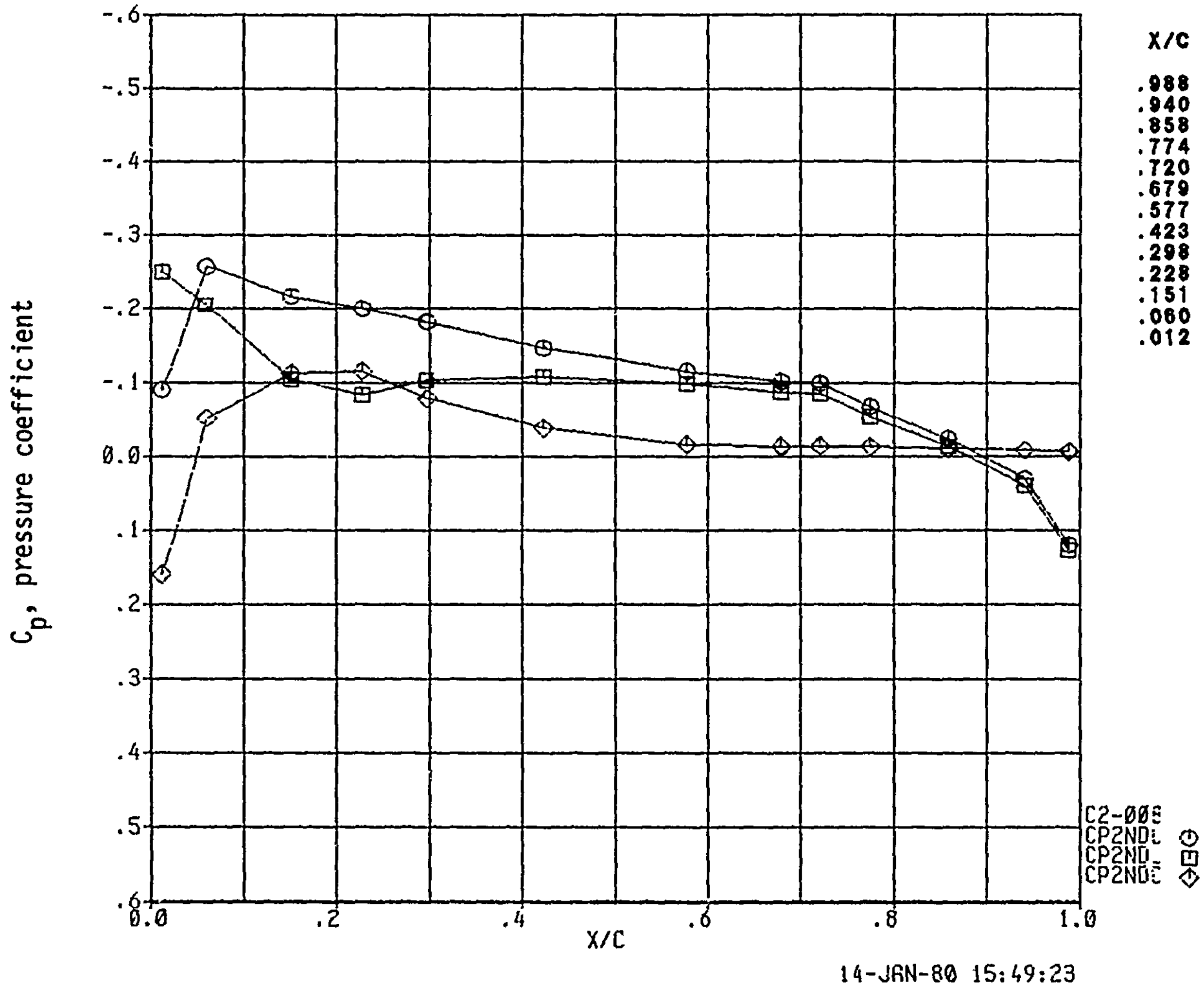



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1689 | 0.1692 | -.0003 |
| .940 | 0.0615 | 0.0625 | -.0010 |
| .858 | -.0116 | -.0096 | -.0020 |
| .774 | -.0717 | -.0687 | -.0030 |
| .720 | -.1078 | -.1042 | -.0036 |
| .679 | -.1133 | -.1094 | -.0039 |
| .577 | -.1313 | -.1238 | -.0075 |
| .423 | -.1693 | -.1394 | -.0298 |
| .298 | -.2054 | -.1331 | -.0723 |
| .228 | -.2200 | -.1130 | -.1070 |
| .151 | -.2126 | -.1489 | -.0637 |
| .060 | -.1579 | -.2867 | 0.1288 |
| .012 | 0.1997 | -.4011 | 0.6008 |

14-JAN-80 15:49:05

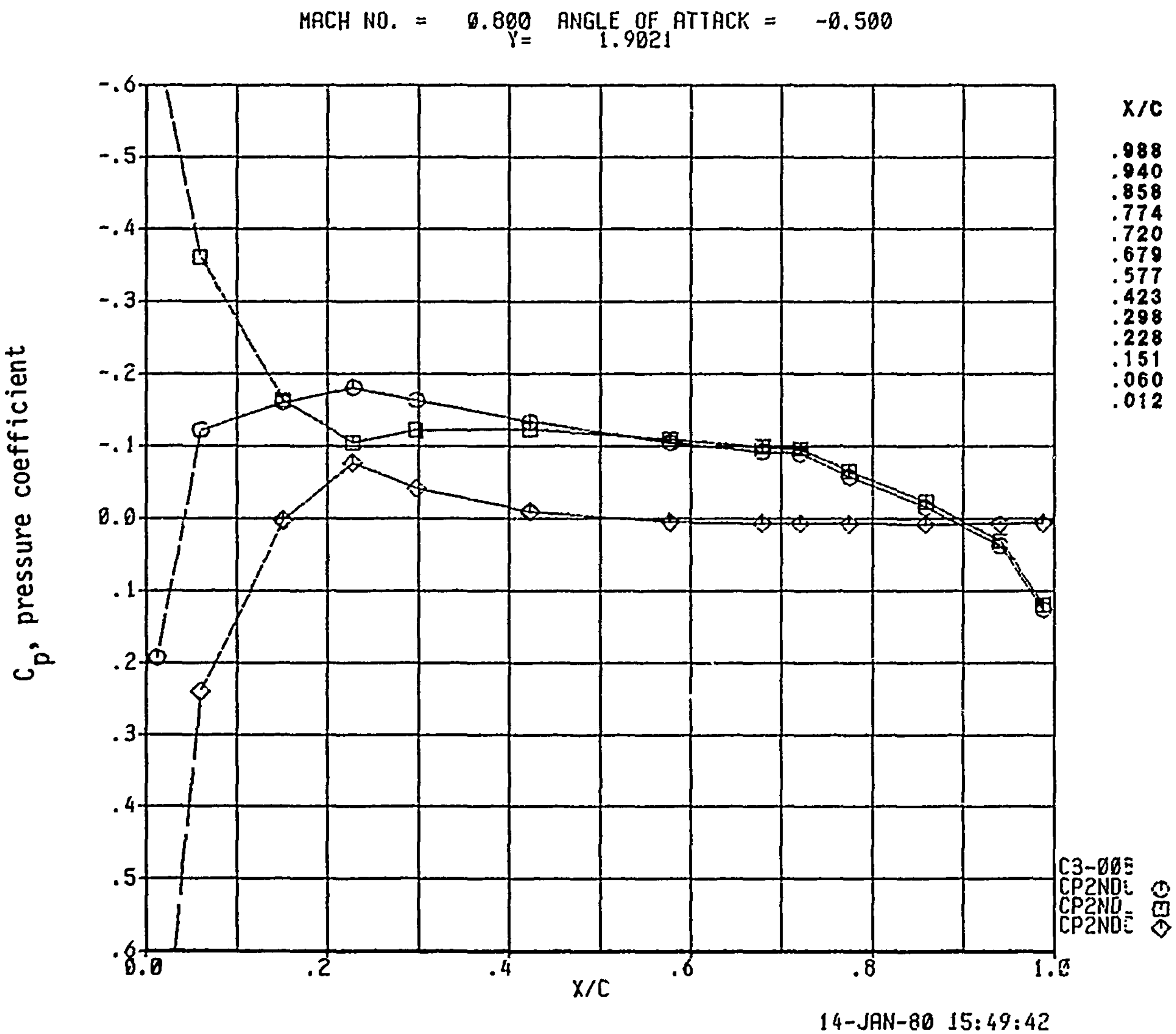
Figure 378, Chordwise Pressure Distribution, Steady, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1656 | 0.1716 | -.0061 |
| .940 | 0.0577 | 0.0655 | -.0078 |
| .858 | -.0160 | -.0060 | -.0099 |
| .774 | -.0765 | -.0646 | -.0119 |
| .720 | -.1128 | -.1000 | -.0129 |
| .679 | -.1183 | -.1050 | -.0133 |
| .577 | -.1368 | -.1190 | -.0178 |
| .423 | -.1766 | -.1326 | -.0439 |
| .298 | -.2155 | -.1235 | -.0920 |
| .228 | -.2333 | -.1000 | -.1334 |
| .151 | -.2390 | -.1222 | -.1168 |
| .060 | -.2221 | -.2179 | -.0042 |
| .012 | 0.0595 | -.2228 | 0.2824 |

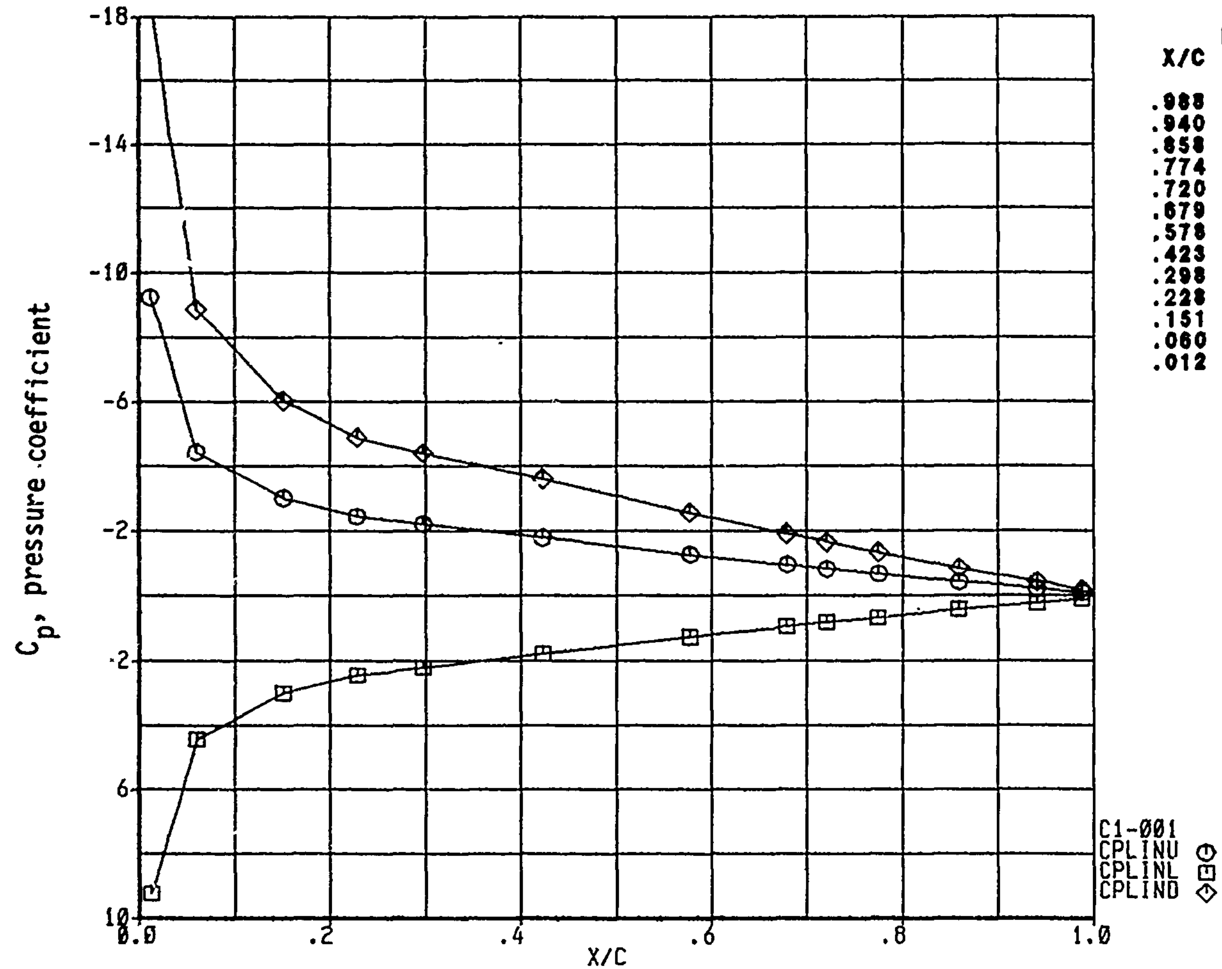
Figure 379, Chordwise Pressure Distribution, Steady, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1711 | 0.1656 | 0.0055 |
| .940 | 0.0642 | 0.0585 | 0.0057 |
| .858 | -.0083 | -.0143 | 0.0060 |
| .774 | -.0679 | -.0738 | 0.0059 |
| .720 | -.1039 | -.1095 | 0.0056 |
| .679 | -.1093 | -.1147 | 0.0054 |
| .577 | -.1268 | -.1296 | 0.0028 |
| .423 | -.1628 | -.1470 | -.0158 |
| .298 | -.1961 | -.1436 | -.0525 |
| .228 | -.2074 | -.1268 | -.0807 |
| .151 | -.1872 | -.1766 | -.0105 |
| .060 | -.0957 | -.3576 | 0.2618 |
| .012 | 0.3286 | -.5906 | 0.9192 |

Figure 380, Chordwise Pressure Distribution, Steady, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.3524



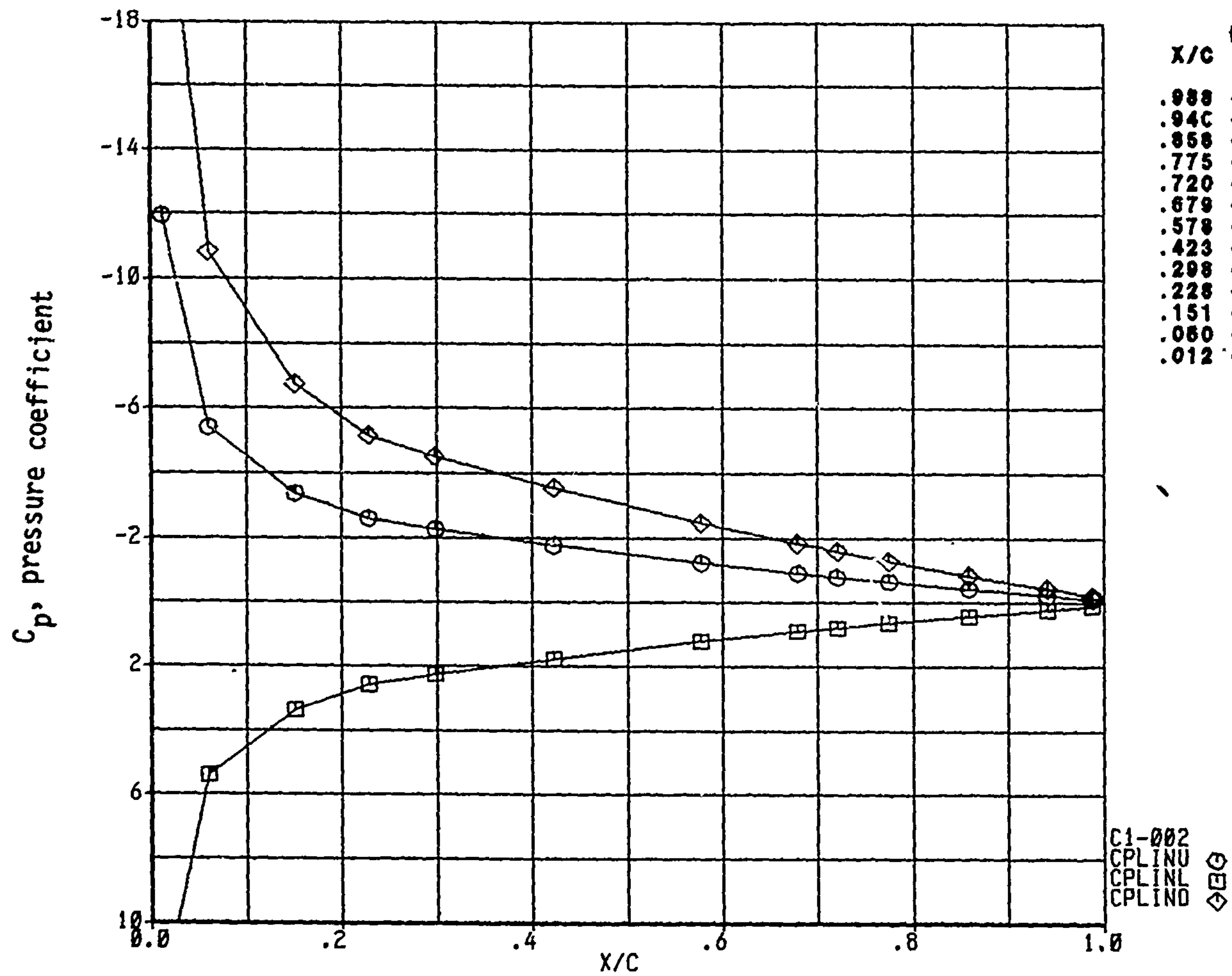

PRESSURE COEFFICIENT

| X/C | UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0927 | 0.0927 | -.1854 |
| .940 | -.2149 | 0.2149 | -.4299 |
| .858 | -.4269 | 0.4269 | -.8538 |
| .774 | -.6734 | 0.6734 | -1.347 |
| .720 | -.8329 | 0.8329 | -1.666 |
| .679 | -.9584 | 0.9584 | -1.917 |
| .578 | -1.283 | 1.2830 | -2.566 |
| .423 | -1.800 | 1.7996 | -3.599 |
| .298 | -2.205 | 2.2053 | -4.411 |
| .228 | -2.450 | 2.4498 | -4.900 |
| .151 | -3.020 | 3.0198 | -6.040 |
| .060 | -4.439 | 4.4390 | -8.878 |
| .012 | -9.232 | 9.2319 | -18.46 |

04-MAR-80 13:55:50

Figure 381, Chordwise Pressure Distribution, Real, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.6853

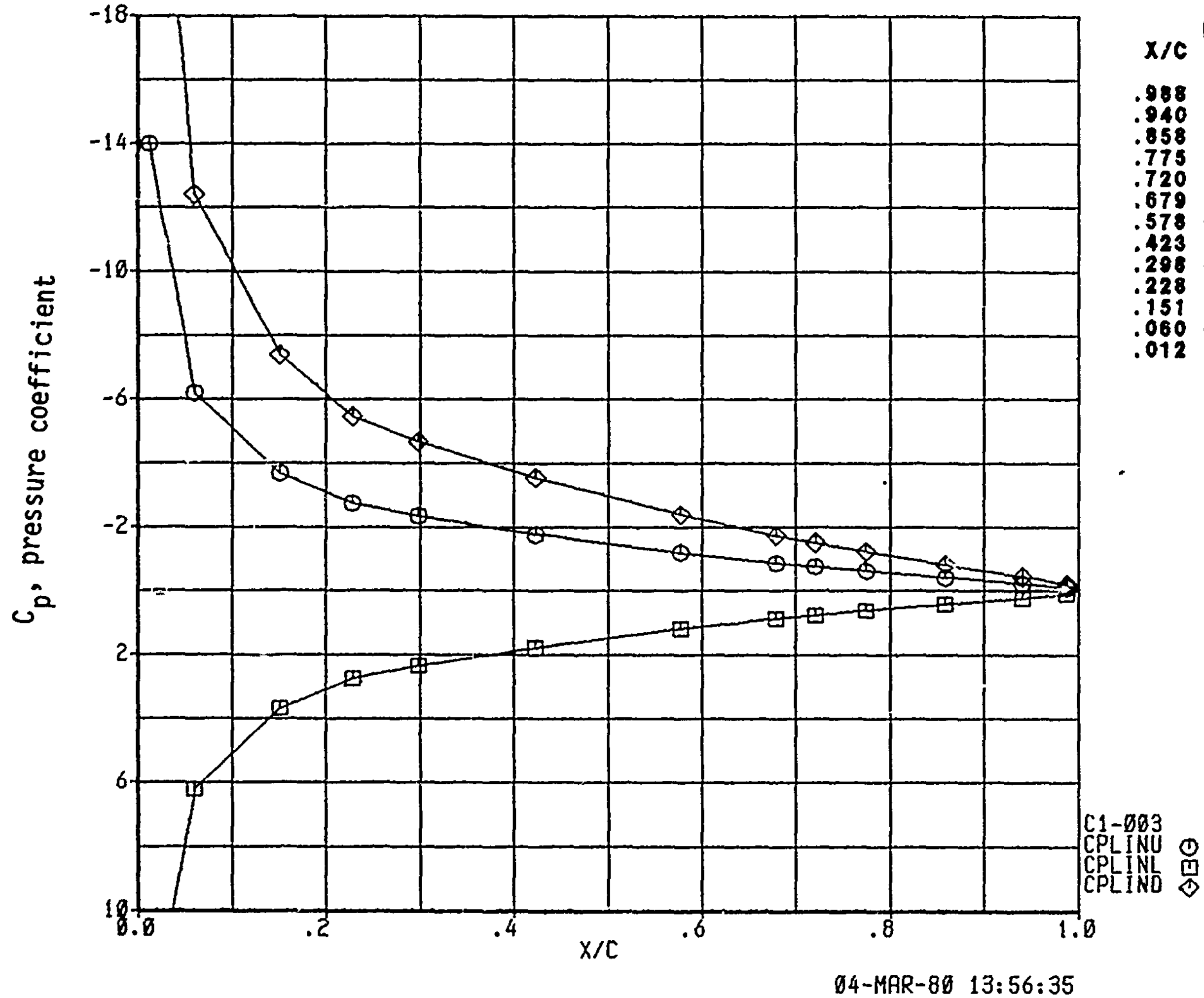



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0967 | 0.0967 | -.1934 |
| .94C | -.2199 | 0.2199 | -.4399 |
| .858 | -.4208 | 0.4208 | -.8415 |
| .775 | -.6476 | 0.6476 | -1.295 |
| .720 | -.7963 | 0.7963 | -1.592 |
| .679 | -.9143 | 0.9143 | -1.829 |
| .578 | -1.234 | 1.2338 | -2.468 |
| .423 | -1.778 | 1.7782 | -3.556 |
| .298 | -2.259 | 2.2589 | -4.518 |
| .228 | -2.583 | 2.5830 | -5.166 |
| .151 | -3.364 | 3.3644 | -6.729 |
| .060 | -5.409 | 5.4089 | -10.82 |
| .012 | -11.93 | 11.934 | -23.87 |

04-MAR-80 13:56:09

Figure 382, Chordwise Pressure Distribution, Real, Configuration 3

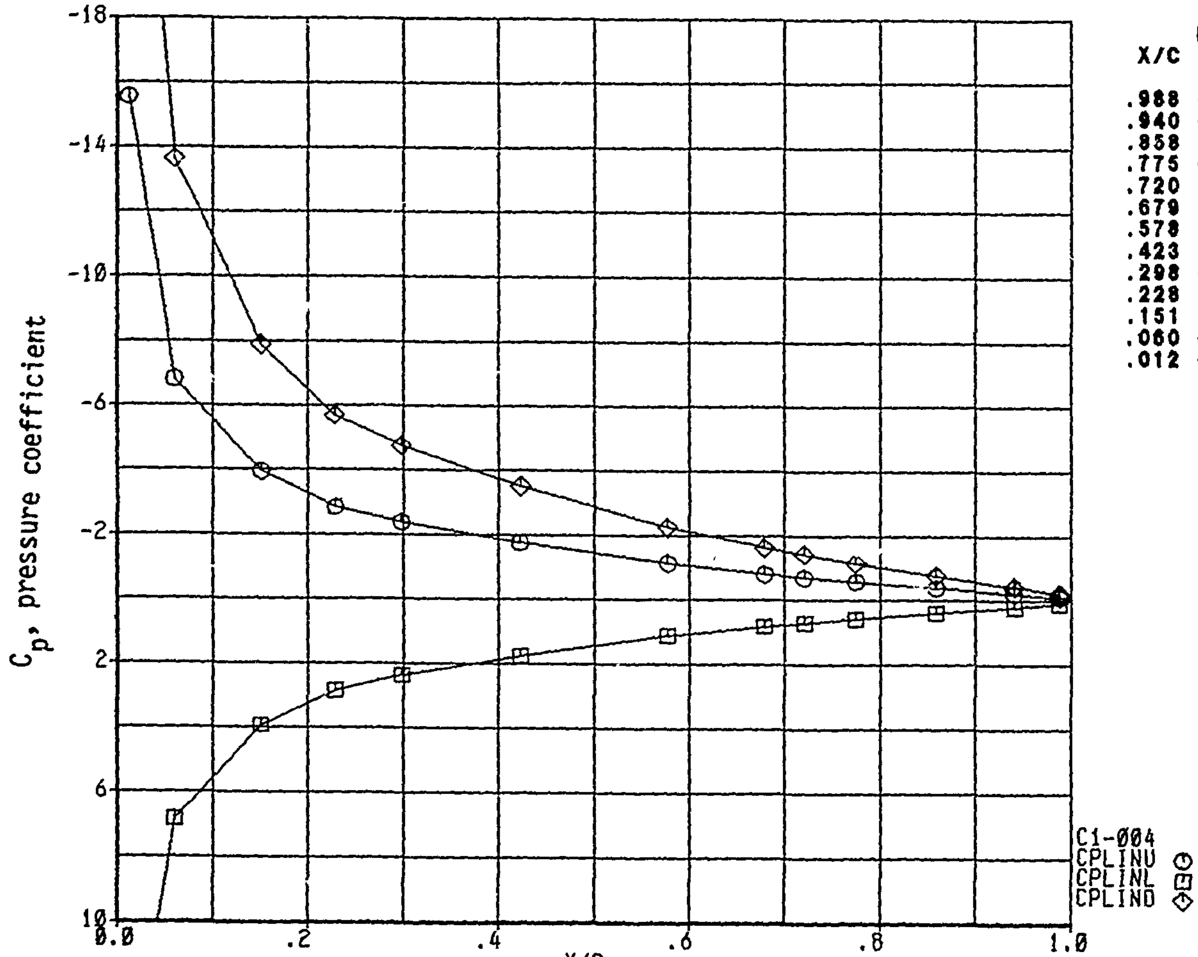
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0979 | 0.0979 | -.1959 |
| .940 | -.2190 | 0.2190 | -.4380 |
| .858 | -.4073 | 0.4073 | -.8144 |
| .775 | -.6175 | 0.6175 | -1.235 |
| .720 | -.7582 | 0.7582 | -1.516 |
| .679 | -.8706 | 0.8706 | -1.741 |
| .578 | -1.191 | 1.1014 | -2.383 |
| .423 | -1.775 | 1.7749 | -3.550 |
| .298 | -2.336 | 2.3363 | -4.673 |
| .228 | -2.736 | 2.7356 | -5.471 |
| .151 | -3.695 | 3.6951 | -7.390 |
| .060 | -6.209 | 6.2094 | -12.42 |
| .012 | -13.99 | 13.991 | -27.98 |

Figure 383, Chordwise Pressure Distribution, Real, Configuration 3

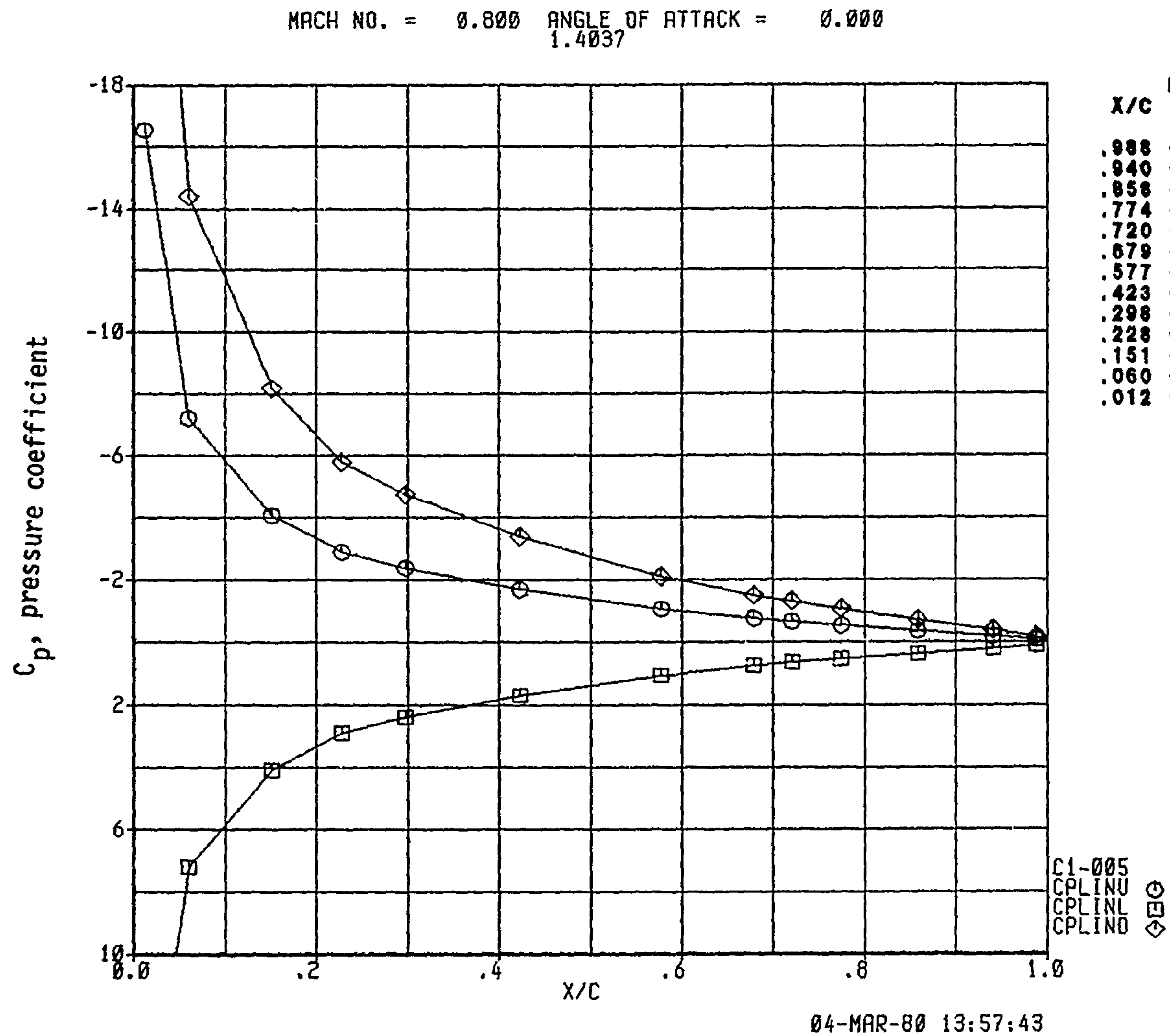
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0951 | 0.0951 | -.1901 |
| .940 | -.2097 | 0.2097 | -.4193 |
| .858 | -.3829 | 0.3829 | -.7657 |
| .775 | -.5736 | 0.5736 | -1.147 |
| .720 | -.7024 | 0.7024 | -1.405 |
| .679 | -.8076 | 0.8076 | -1.615 |
| .578 | -1.127 | 1.1274 | -2.255 |
| .423 | -1.747 | 1.7468 | -3.494 |
| .298 | -2.381 | 2.3812 | -4.762 |
| .228 | -2.849 | 2.8485 | -5.697 |
| .151 | -3.945 | 3.9450 | -7.890 |
| .060 | -6.819 | 6.8190 | -13.64 |
| .012 | -15.56 | 15.558 | -31.12 |

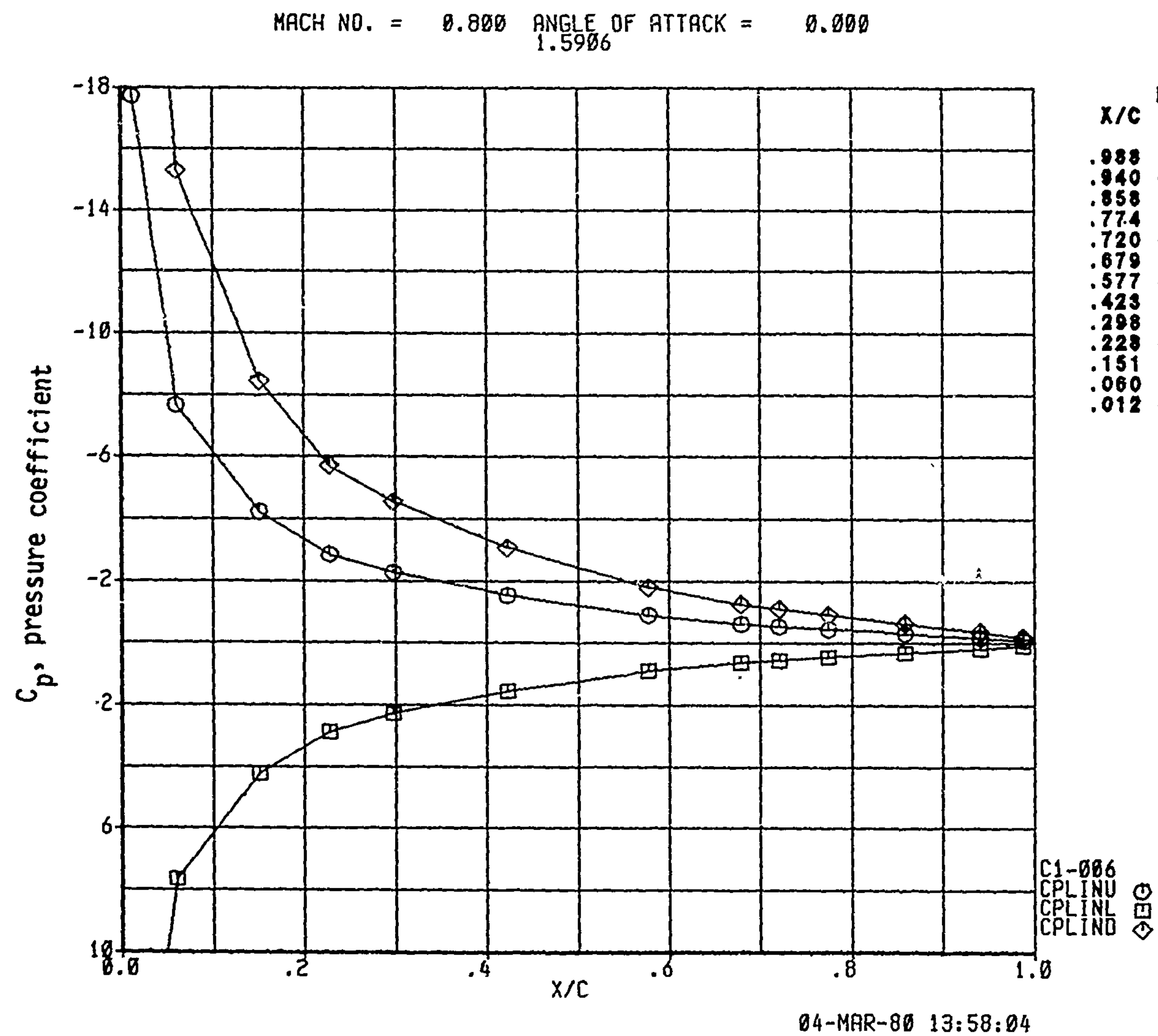
04-MAR-80 13:57:00

Figure 384, Chordwise Pressure Distribution, Real, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0913 | 0.0913 | -.1826 |
| .940 | -.1987 | 0.1987 | -.3973 |
| .858 | -.3585 | 0.3585 | -.7170 |
| .774 | -.5317 | 0.5317 | -1.063 |
| .720 | -.6477 | 0.6477 | -1.296 |
| .679 | -.7439 | 0.7439 | -1.488 |
| .577 | -1.054 | 1.0541 | -2.108 |
| .423 | -1.696 | 1.6955 | -3.391 |
| .298 | -2.379 | 2.3786 | -4.757 |
| .228 | -2.894 | 2.8935 | -5.787 |
| .151 | -4.087 | 4.0870 | -8.174 |
| .060 | -7.201 | 7.2006 | -14.40 |
| .012 | -16.54 | 16.541 | -33.08 |

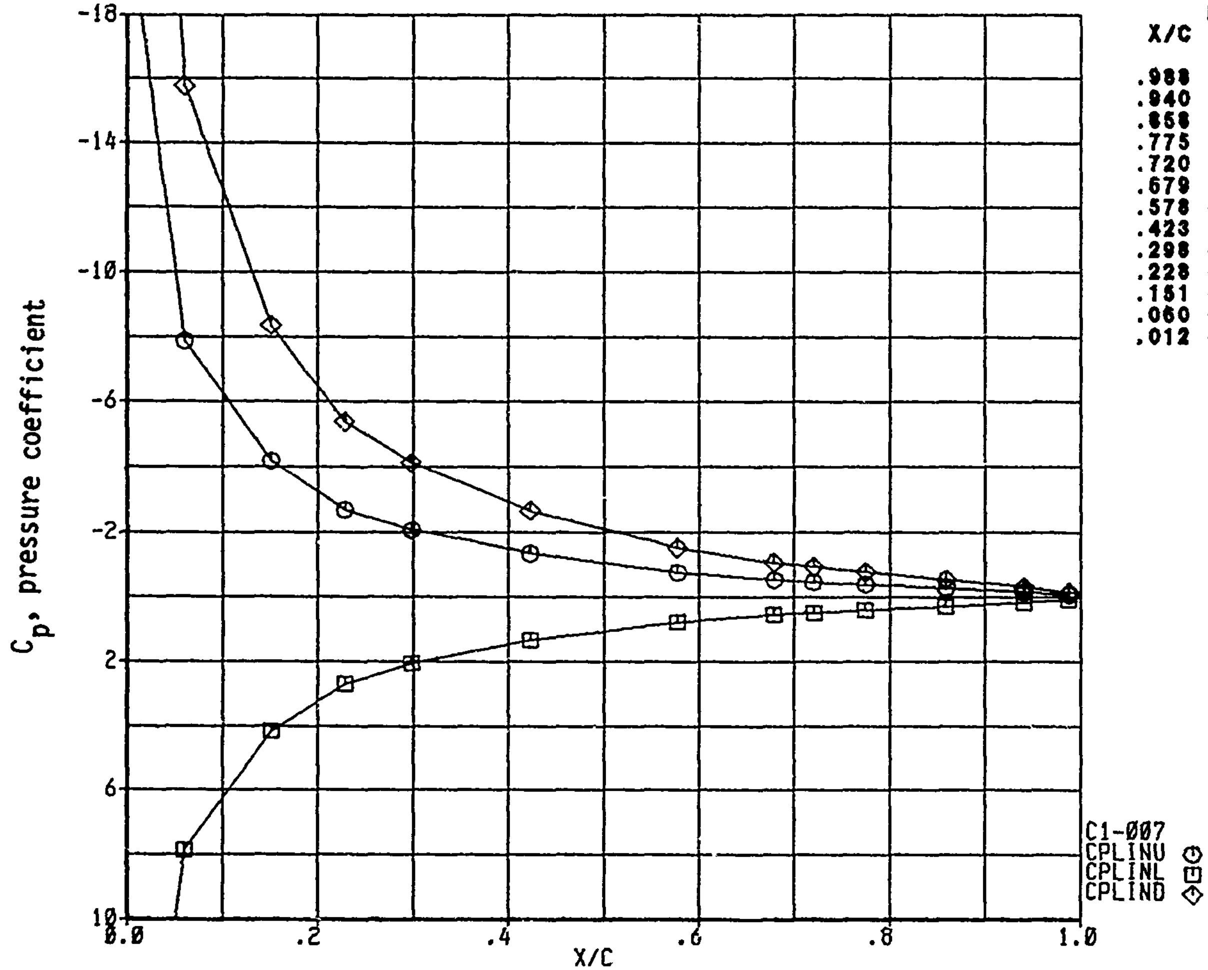
Figure 385, Chordwise Pressure Distribution, Real, Configuration 3




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.0821 | 0.0821 | -.1642 |
| .940 | -.1768 | 0.1768 | -.3537 |
| .858 | -.3127 | 0.3127 | -.6255 |
| .774 | -.4570 | 0.4570 | -.9139 |
| .720 | -.5505 | 0.5505 | -1.101 |
| .679 | -.6263 | 0.6263 | -1.253 |
| .577 | -.8988 | 0.8988 | -1.798 |
| .423 | -1.541 | 1.5411 | -3.082 |
| .298 | -2.279 | 2.2785 | -4.557 |
| .228 | -2.861 | 2.8611 | -5.722 |
| .151 | -4.221 | 4.2208 | -8.441 |
| .060 | -7.652 | 7.6522 | -15.30 |
| .012 | -17.72 | 17.724 | -35.45 |

Figure 386, Chordwise Pressure Distribution, Real, Configuration 3

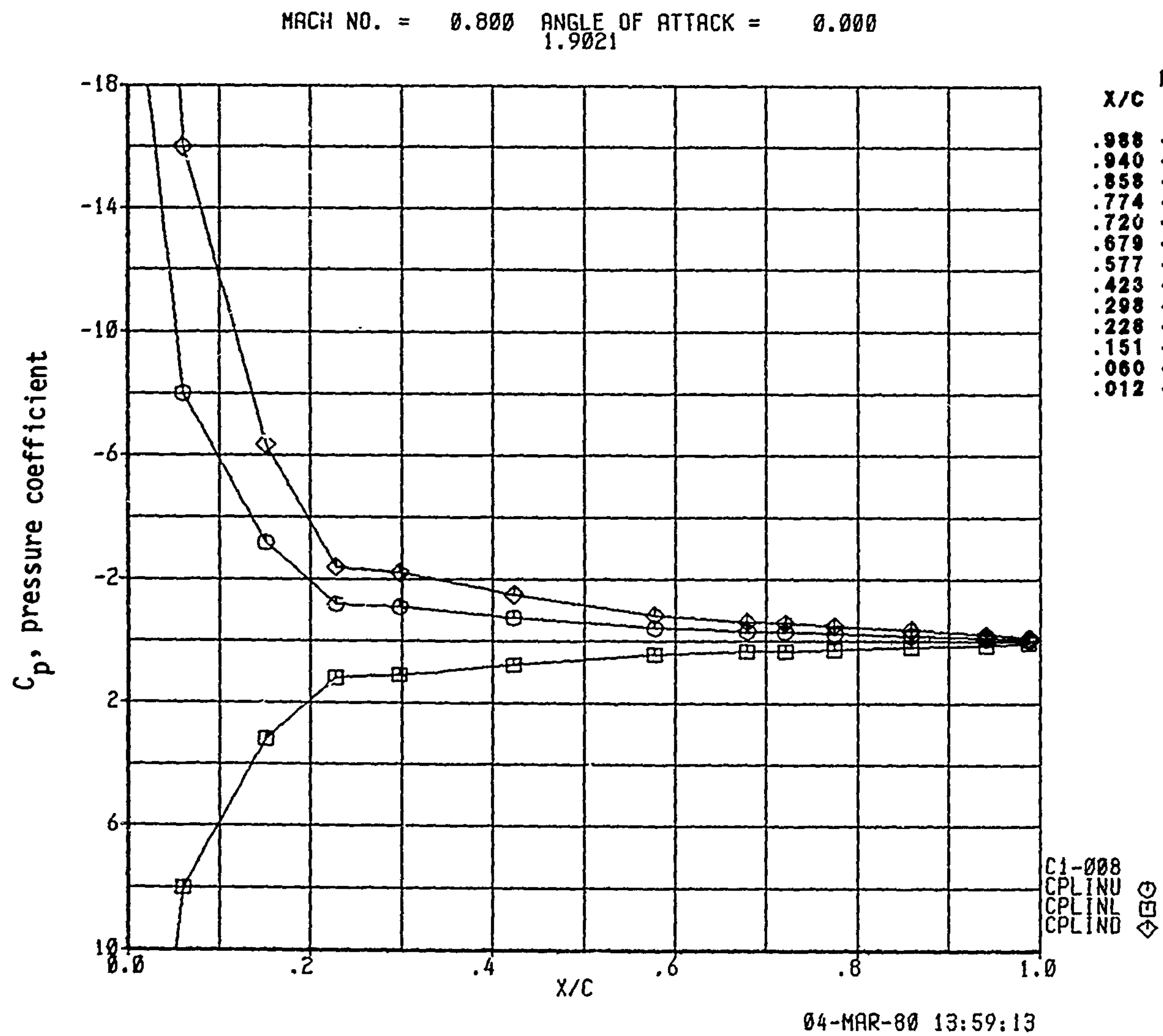
MACH NO. = Ø.8ØØ ANGLE OF ATTACK = Ø.ØØØ
1.7Ø35




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0723 | 0.0723 | -.1446 |
| .940 | -.1569 | 0.1569 | -.3140 |
| .858 | -.2729 | 0.2729 | -.5457 |
| .775 | -.3944 | 0.3944 | -.7887 |
| .720 | -.4704 | 0.4704 | -.9407 |
| .679 | -.5324 | 0.5324 | -1.065 |
| .578 | -.7596 | 0.7596 | -1.519 |
| .423 | -1.335 | 1.3351 | -2.670 |
| .298 | -2.063 | 2.0629 | -4.126 |
| .228 | -2.697 | 2.6973 | -5.394 |
| .151 | -4.175 | 4.1746 | -8.349 |
| .060 | -7.878 | 7.8782 | -15.76 |
| .012 | -18.41 | 18.409 | -36.82 |

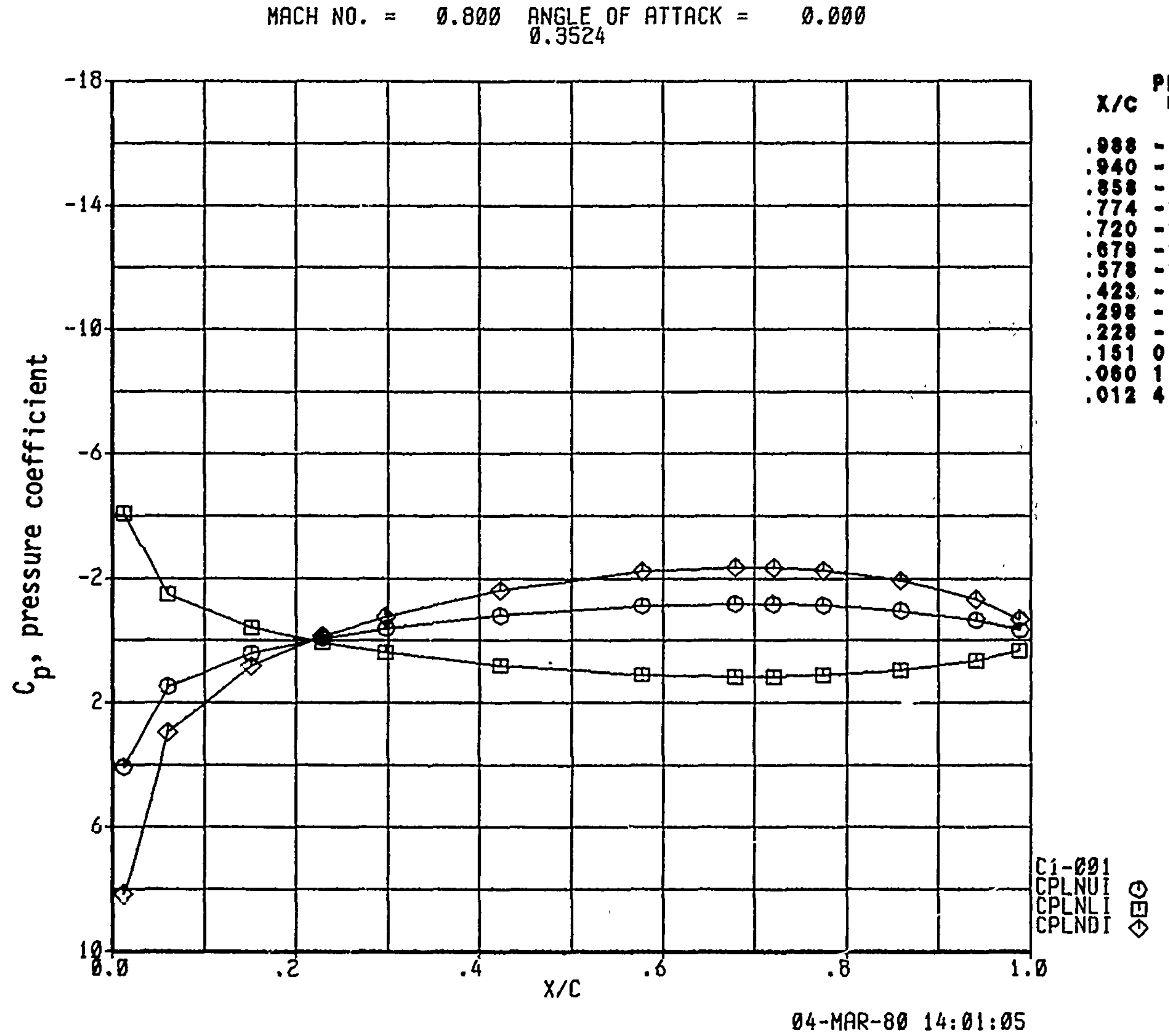
Ø4-MAR-8Ø 13:58:35

Figure 387, Chordwise Pressure Distribution, Real, Configuration 3




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.0562 | 0.0562 | -.1123 |
| .940 | -.1099 | 0.1099 | -.2198 |
| .858 | -.1808 | 0.1808 | -.3616 |
| .774 | -.2524 | 0.2524 | -.5047 |
| .720 | -.2967 | 0.2967 | -.5936 |
| .679 | -.3155 | 0.3155 | -.6310 |
| .577 | -.4268 | 0.4268 | -.8536 |
| .423 | -.7595 | 0.7595 | -1.519 |
| .298 | -1.101 | 1.1011 | -2.202 |
| .228 | -1.184 | 1.1840 | -2.368 |
| .151 | -3.181 | 3.1807 | -6.361 |
| .060 | -8.006 | 8.0060 | -16.01 |
| .012 | -20.13 | 20.135 | -40.27 |

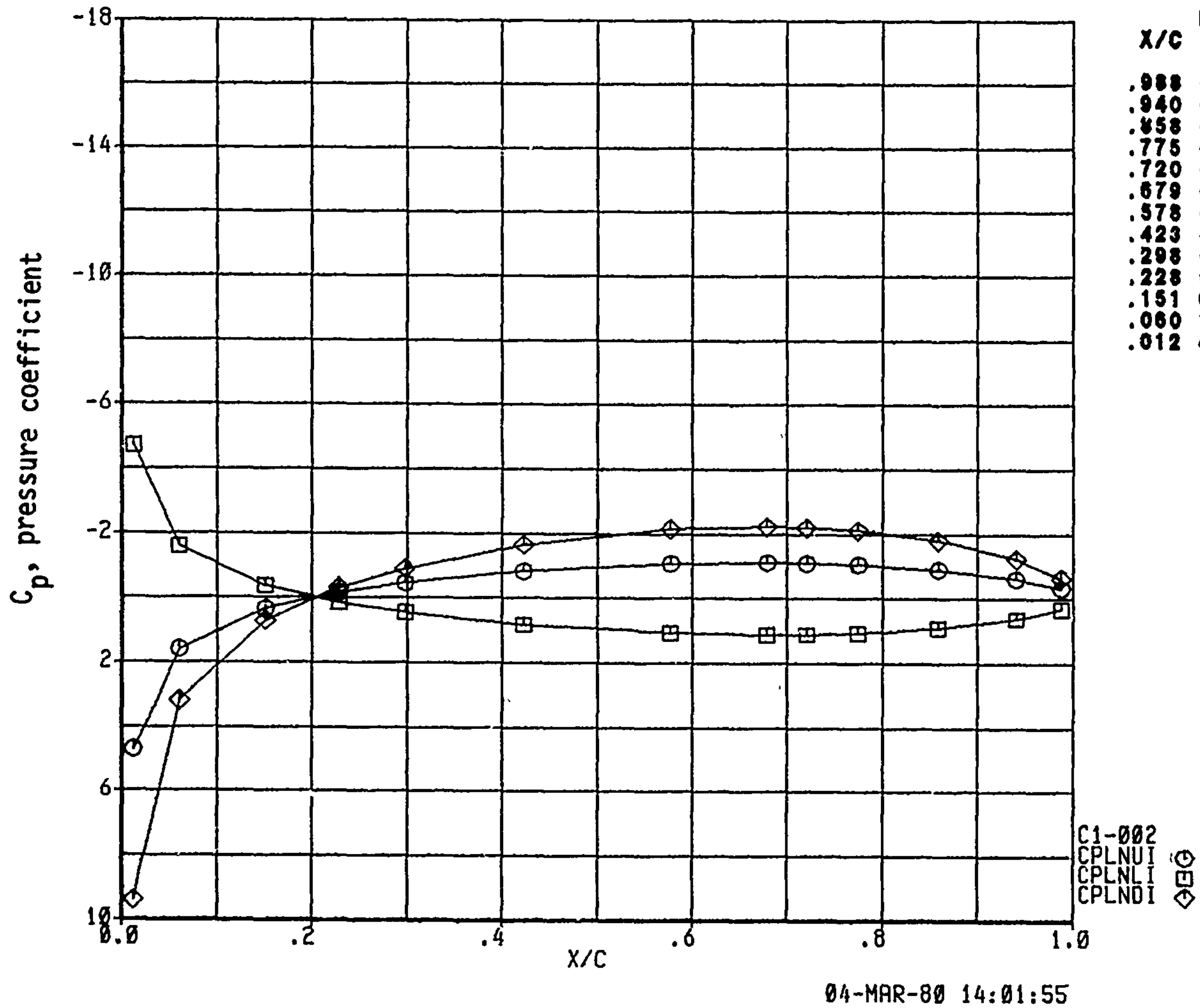
Figure 388, Chordwise Pressure Distribution, Real, Configuration 3




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3359 | 0.3359 | -.6718 |
| .940 | -.6609 | 0.6609 | -1.322 |
| .858 | -.9641 | 0.9641 | -1.928 |
| .774 | -1.130 | 1.1303 | -2.261 |
| .720 | -1.169 | 1.1689 | -2.338 |
| .679 | -1.175 | 1.1750 | -2.350 |
| .578 | -1.108 | 1.1081 | -2.216 |
| .423 | -.8074 | 0.8074 | -1.615 |
| .298 | -.3817 | 0.3817 | -.7634 |
| .228 | -.0713 | 0.0713 | -.1427 |
| .151 | 0.4137 | -.4137 | 0.8274 |
| .060 | 1.4851 | -1.485 | 2.9701 |
| .012 | 4.0795 | -4.080 | 8.1590 |

Figure 389, Chordwise Pressure Distribution, Imaginary, Configuration 3

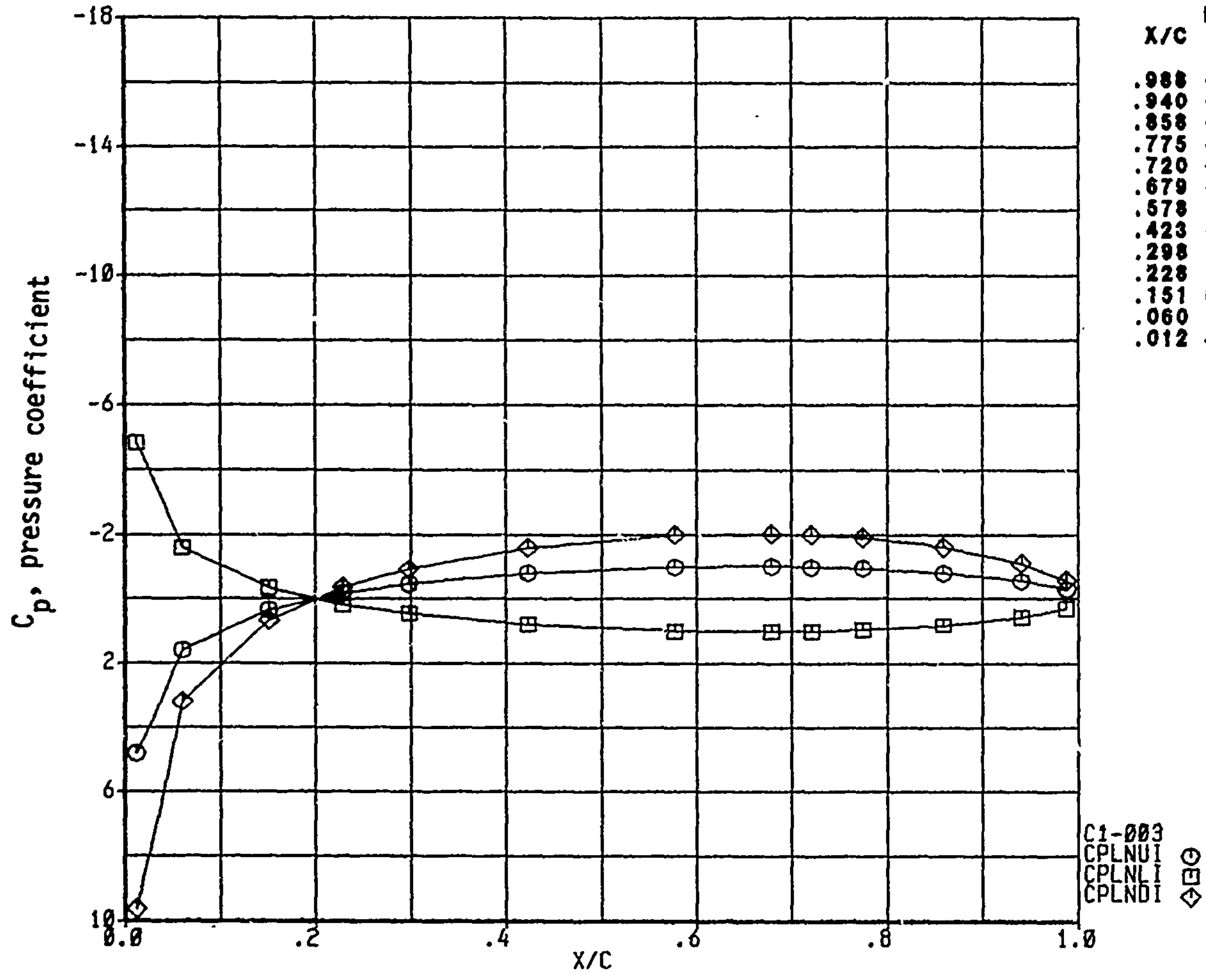
MACH NO. = Ø.8ØØ ANGLE OF ATTACK = Ø.ØØØ
Ø.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3149 | 0.3149 | -.6297 |
| .940 | -.6176 | 0.6176 | -1.235 |
| .858 | -.8992 | 0.8992 | -1.798 |
| .775 | -1.056 | 1.0555 | -2.111 |
| .720 | -1.099 | 1.0986 | -2.197 |
| .679 | -1.112 | 1.1120 | -2.224 |
| .578 | -1.073 | 1.0728 | -2.146 |
| .423 | -.8301 | 0.8301 | -1.660 |
| .298 | -.4506 | 0.4506 | -.9011 |
| .228 | -.1543 | 0.1543 | -.3086 |
| .151 | 0.3538 | -.3538 | 0.7076 |
| .060 | 1.5886 | -1.589 | 3.1771 |
| .012 | 4.6996 | -4.700 | 9.3991 |

Figure 390, Chordwise Pressure Distribution, Imaginary, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968

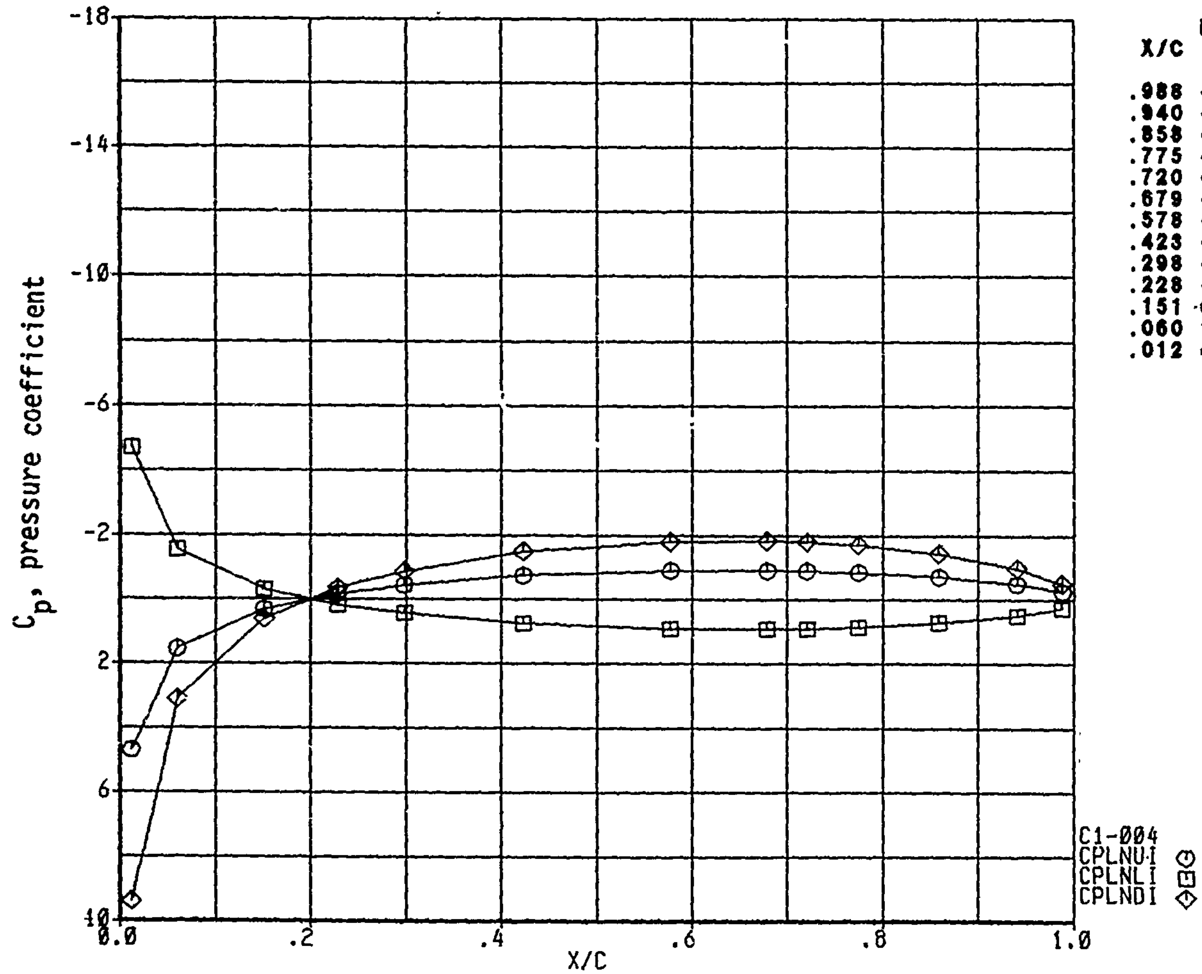



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2829 | 0.2829 | -.5657 |
| .940 | -.5556 | 0.5556 | -1.111 |
| .858 | -.8110 | 0.8110 | -1.622 |
| .775 | -.9558 | 0.9558 | -1.912 |
| .720 | -.9997 | 0.9997 | -2.000 |
| .679 | -1.017 | 1.0167 | -2.033 |
| .578 | -.9959 | 0.9959 | -1.992 |
| .423 | -.7973 | 0.7973 | -1.595 |
| .298 | -.4555 | 0.4555 | -.9110 |
| .228 | -.1744 | 0.1744 | -.3488 |
| .151 | 0.3309 | -.3309 | 0.6618 |
| .060 | 1.6003 | -1.600 | 3.2006 |
| .012 | 4.8193 | -4.819 | 9.6386 |

04-MAR-80 14:03:10

Figure 391, Chordwise Pressure Distribution, Imaginary, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.2479

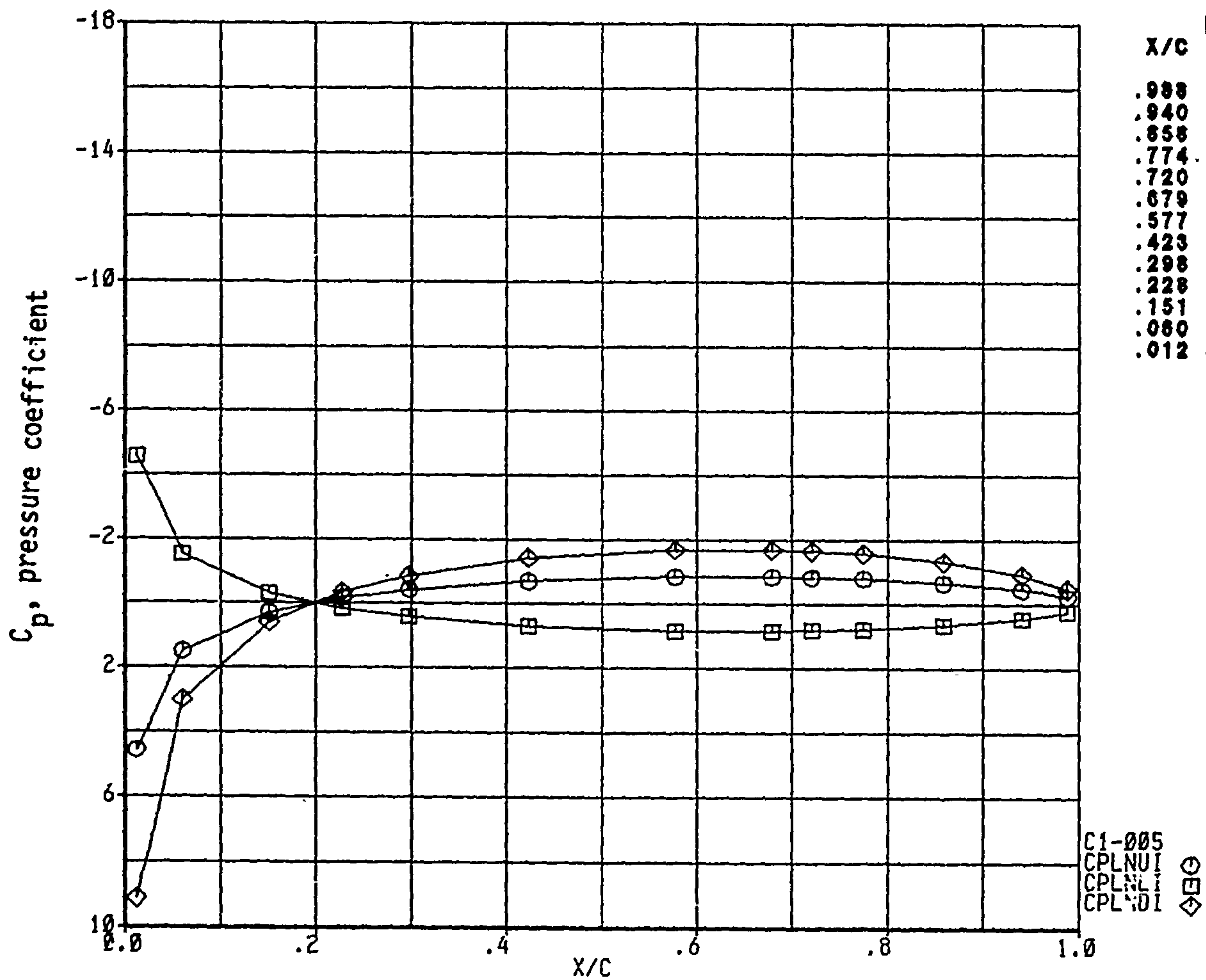



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2511 | 0.2511 | -.5022 |
| .940 | -.4928 | 0.4928 | -.9856 |
| .858 | -.7203 | 0.7203 | -1.441 |
| .775 | -.8539 | 0.8539 | -1.708 |
| .720 | -.8967 | 0.8967 | -1.793 |
| .679 | -.9150 | 0.9150 | -1.830 |
| .578 | -.9061 | 0.9061 | -1.812 |
| .423 | -.7429 | 0.7429 | -1.486 |
| .298 | -.4363 | 0.4363 | -.8727 |
| .228 | -.1727 | 0.1727 | -.3454 |
| .151 | 0.3126 | -.3126 | 0.6251 |
| .060 | 1.5520 | -1.552 | 3.1040 |
| .012 | 4.7041 | -4.704 | 9.4081 |

04-MAR-80 14:03:47

Figure 392, Chordwise Pressure Distribution, Imaginary, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.4037

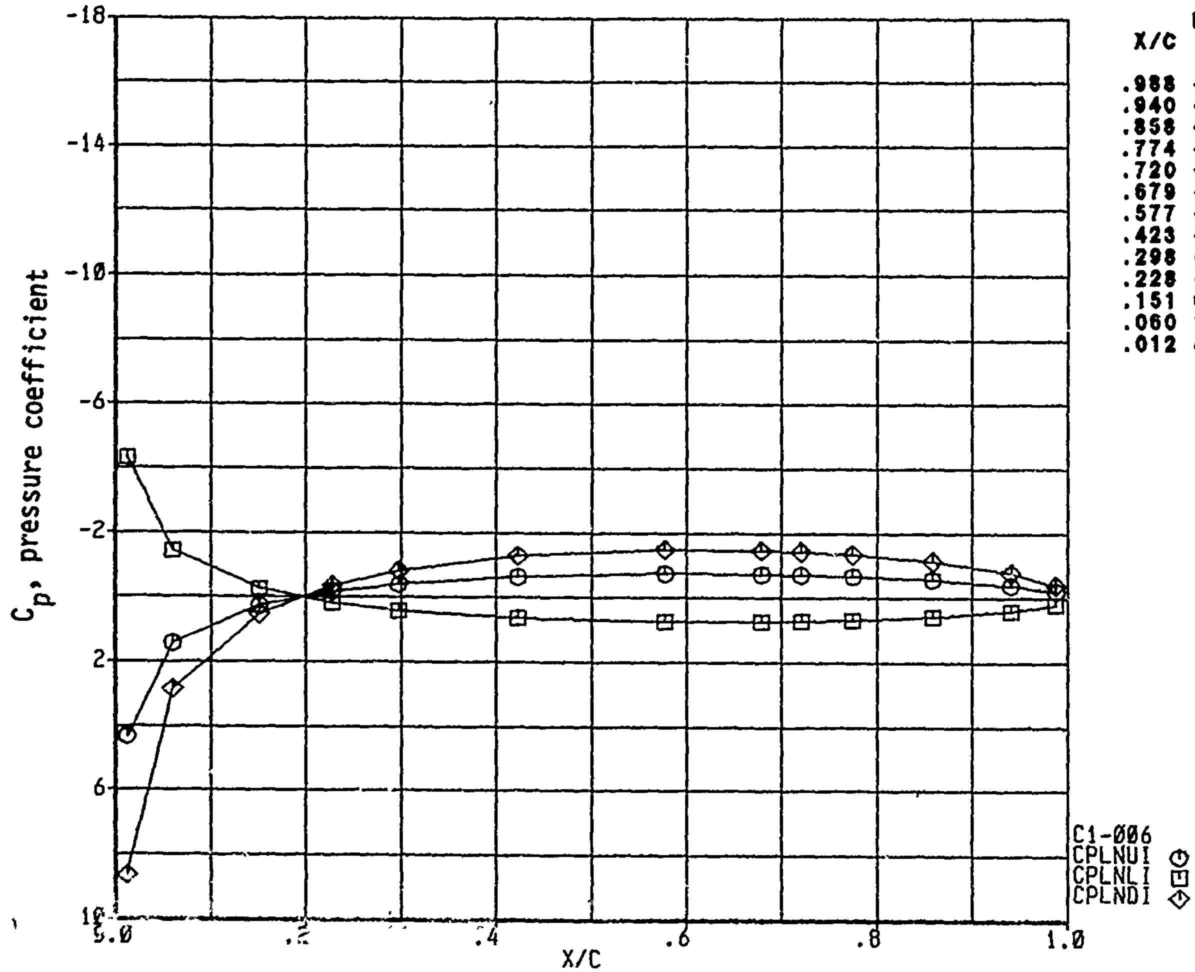



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2299 | 0.2299 | -.4598 |
| .940 | -.4489 | 0.4489 | -.8978 |
| .858 | -.6553 | 0.6553 | -1.311 |
| .774 | -.7809 | 0.7809 | -1.562 |
| .720 | -.8220 | 0.8220 | -1.644 |
| .679 | -.8406 | 0.8406 | -1.681 |
| .577 | -.8393 | 0.8393 | -1.679 |
| .423 | -.7009 | 0.7009 | -1.402 |
| .298 | -.4211 | 0.4211 | -.8422 |
| .228 | -.1722 | 0.1722 | -.3444 |
| .151 | 0.2962 | -.2962 | 0.5924 |
| .060 | 1.5031 | -1.503 | 3.0063 |
| .012 | 4.5640 | -4.564 | 9.1281 |

04-MAR-80 14:04:35

Figure 393, Chordwise Pressure Distribution, Imaginary, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.5906

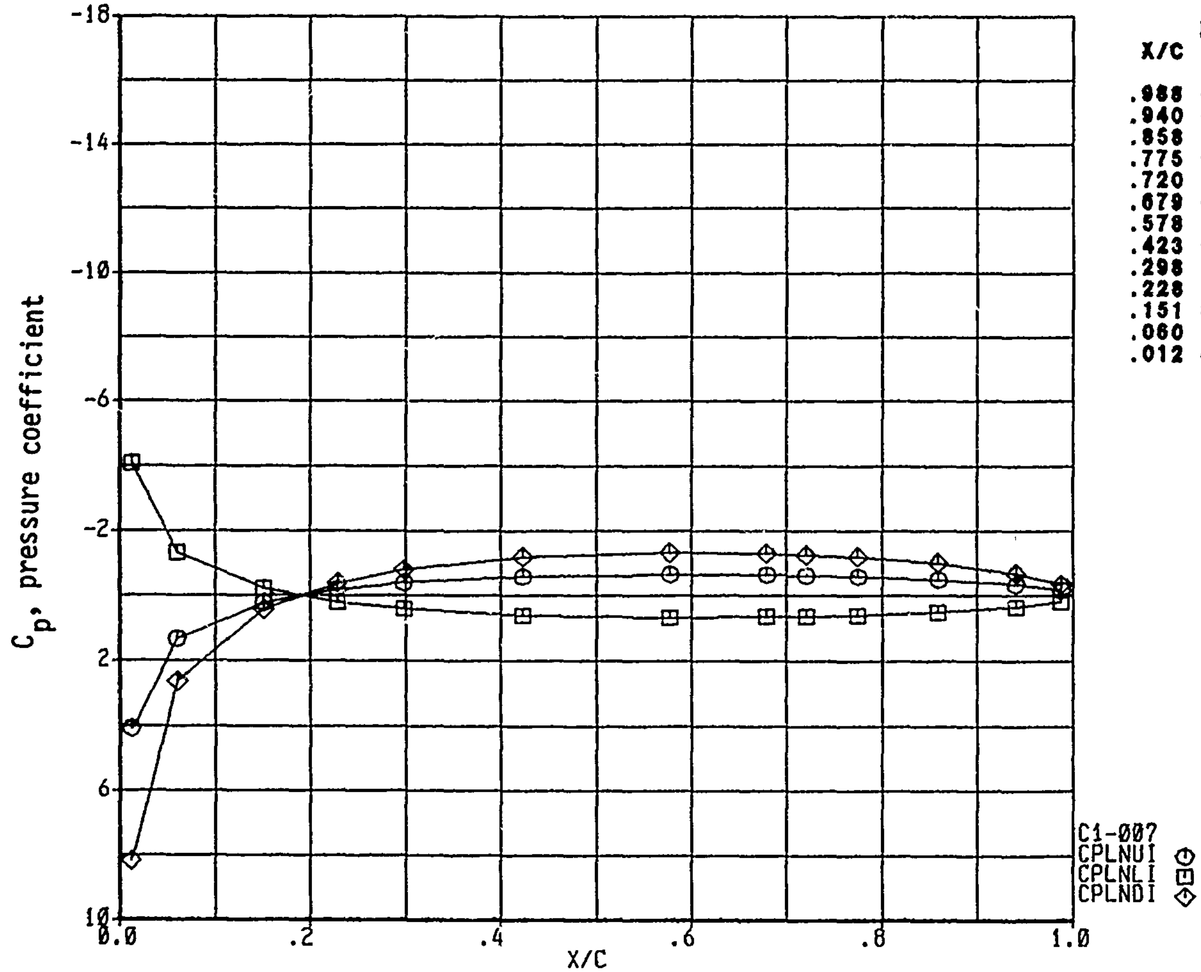



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1999 | 0.1999 | -.3998 |
| .940 | -.3899 | 0.3899 | -.7798 |
| .858 | -.5675 | 0.5675 | -1.135 |
| .774 | -.6771 | 0.6771 | -1.354 |
| .720 | -.7150 | 0.7150 | -1.430 |
| .679 | -.7339 | 0.7339 | -1.468 |
| .577 | -.7438 | 0.7438 | -1.488 |
| .423 | -.6436 | 0.6436 | -1.287 |
| .298 | -.4064 | 0.4064 | -.8126 |
| .228 | -.1822 | 0.1822 | -.3643 |
| .151 | 0.2604 | -.2604 | 0.5207 |
| .060 | 1.4150 | -1.415 | 2.8301 |
| .012 | 4.3140 | -4.314 | 8.6282 |

04-MAR-80 14:05:13

Figure 394, Chordwise Pressure Distribution, Imaginary, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.7035

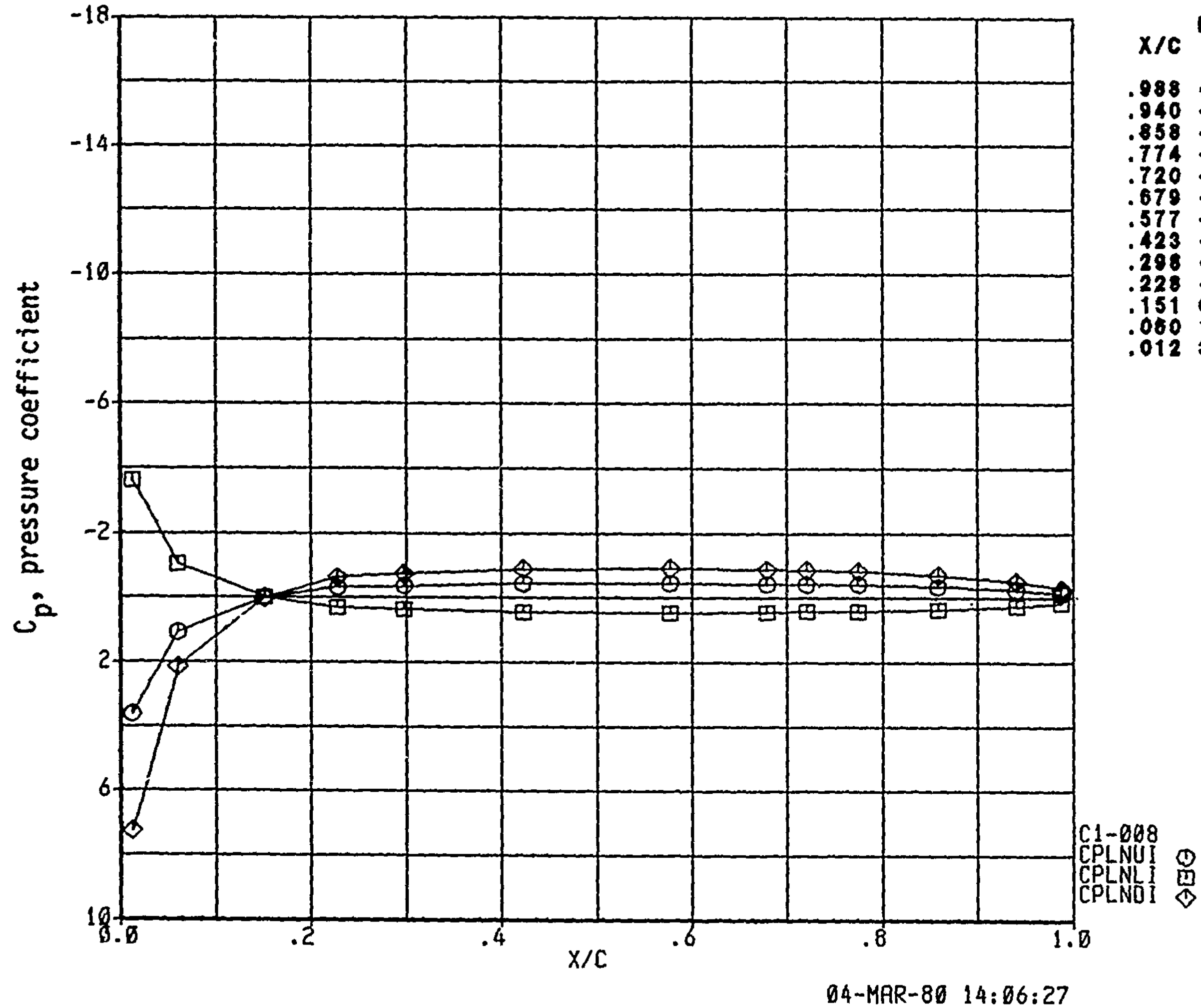



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1751 | 0.1751 | -.3502 |
| .940 | -.3462 | 0.3462 | -.6923 |
| .858 | -.5055 | 0.5055 | -1.011 |
| .775 | -.5966 | 0.5966 | -1.193 |
| .720 | -.6299 | 0.6299 | -1.260 |
| .679 | -.6487 | 0.6487 | -1.297 |
| .578 | -.6649 | 0.6649 | -1.330 |
| .423 | -.5971 | 0.5971 | -1.194 |
| .298 | -.4008 | 0.4008 | -.8015 |
| .228 | -.1992 | 0.1992 | -.3983 |
| .151 | 0.2141 | -.2141 | 0.4282 |
| .060 | 1.3259 | -1.326 | 2.6517 |
| .012 | 4.0844 | -4.084 | 8.1688 |

04-MAR-80 14:05:49

Figure 395, Chordwise Pressure Distribution, Imaginary, Configuration 3

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1423 | 0.1423 | -.2846 |
| .940 | -.2573 | 0.2573 | -.5147 |
| .858 | -.3558 | 0.3558 | -.7115 |
| .774 | -.4128 | 0.4128 | -.8256 |
| .720 | -.4333 | 0.4333 | -.8665 |
| .679 | -.4445 | 0.4445 | -.8891 |
| .577 | -.4621 | 0.4621 | -.9242 |
| .423 | -.4476 | 0.4476 | -.8953 |
| .298 | -.3740 | 0.3740 | -.7480 |
| .228 | -.3180 | 0.3180 | -.6361 |
| .151 | 0.0069 | -.0069 | 0.0138 |
| .060 | 1.0699 | -1.070 | 2.1397 |
| .012 | 3.6204 | -3.620 | 7.2407 |

Figure 396, Chordwise Pressure Distribution, Imaginary, Configuration 3

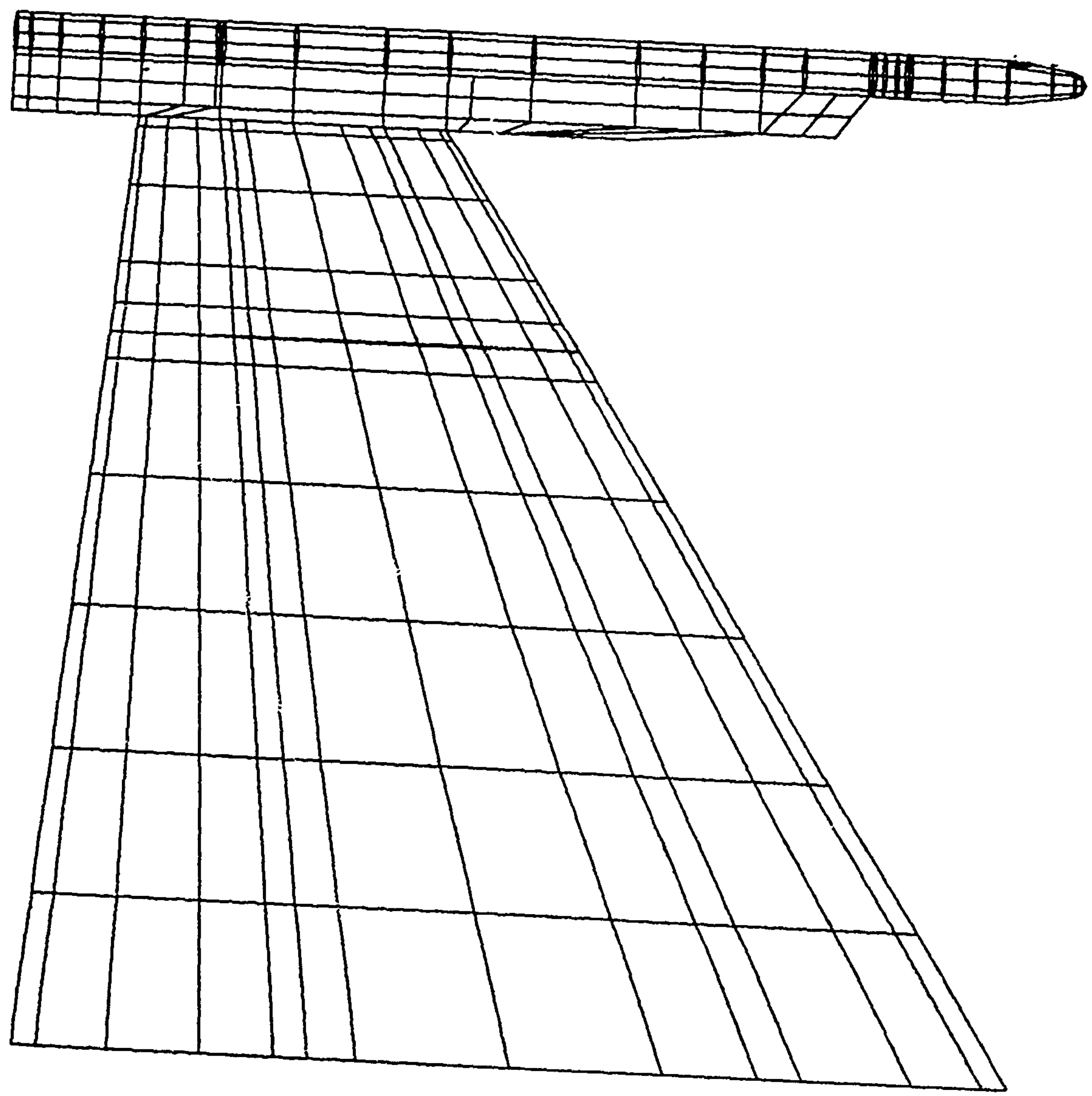
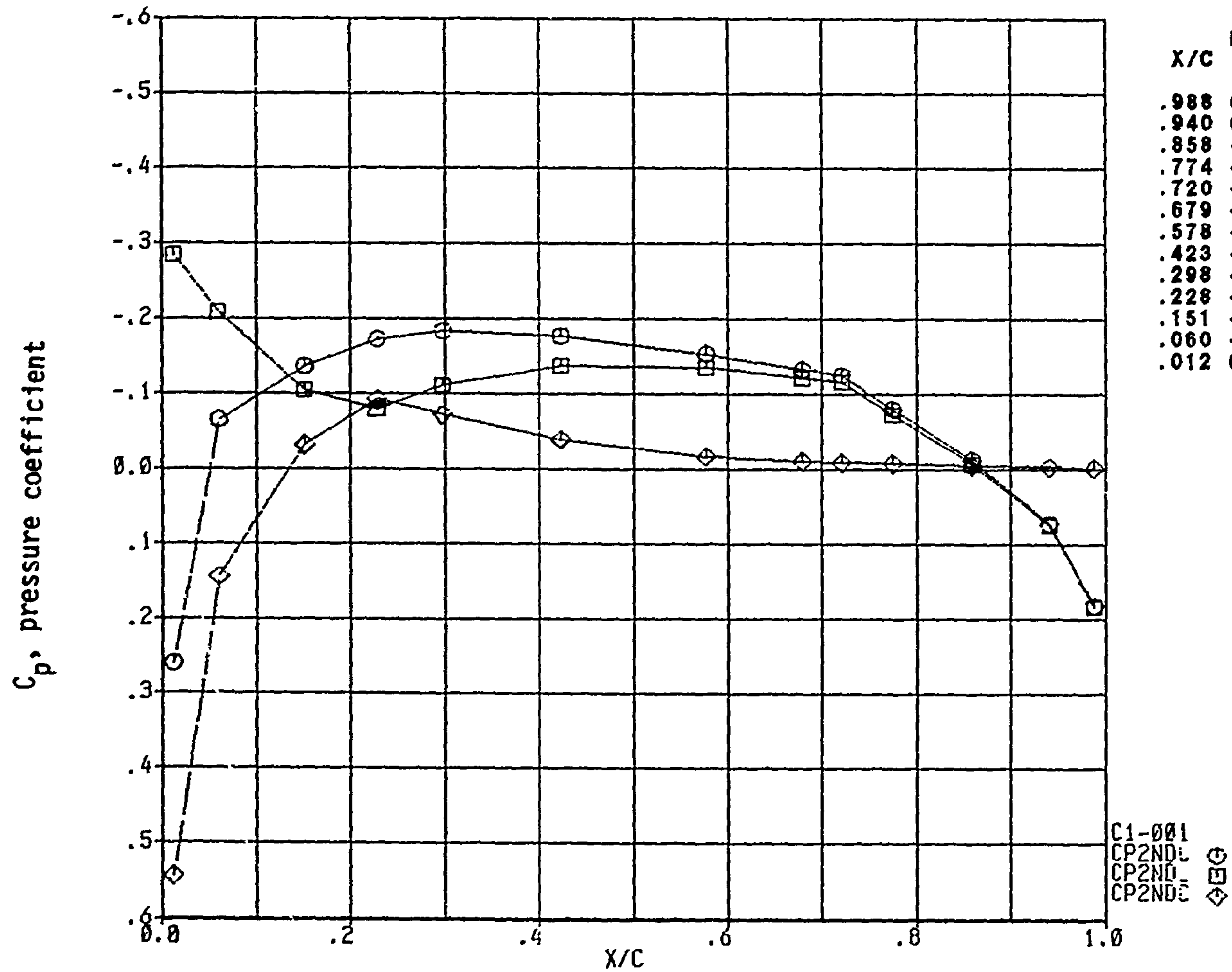


Figure 397, Configuration 4

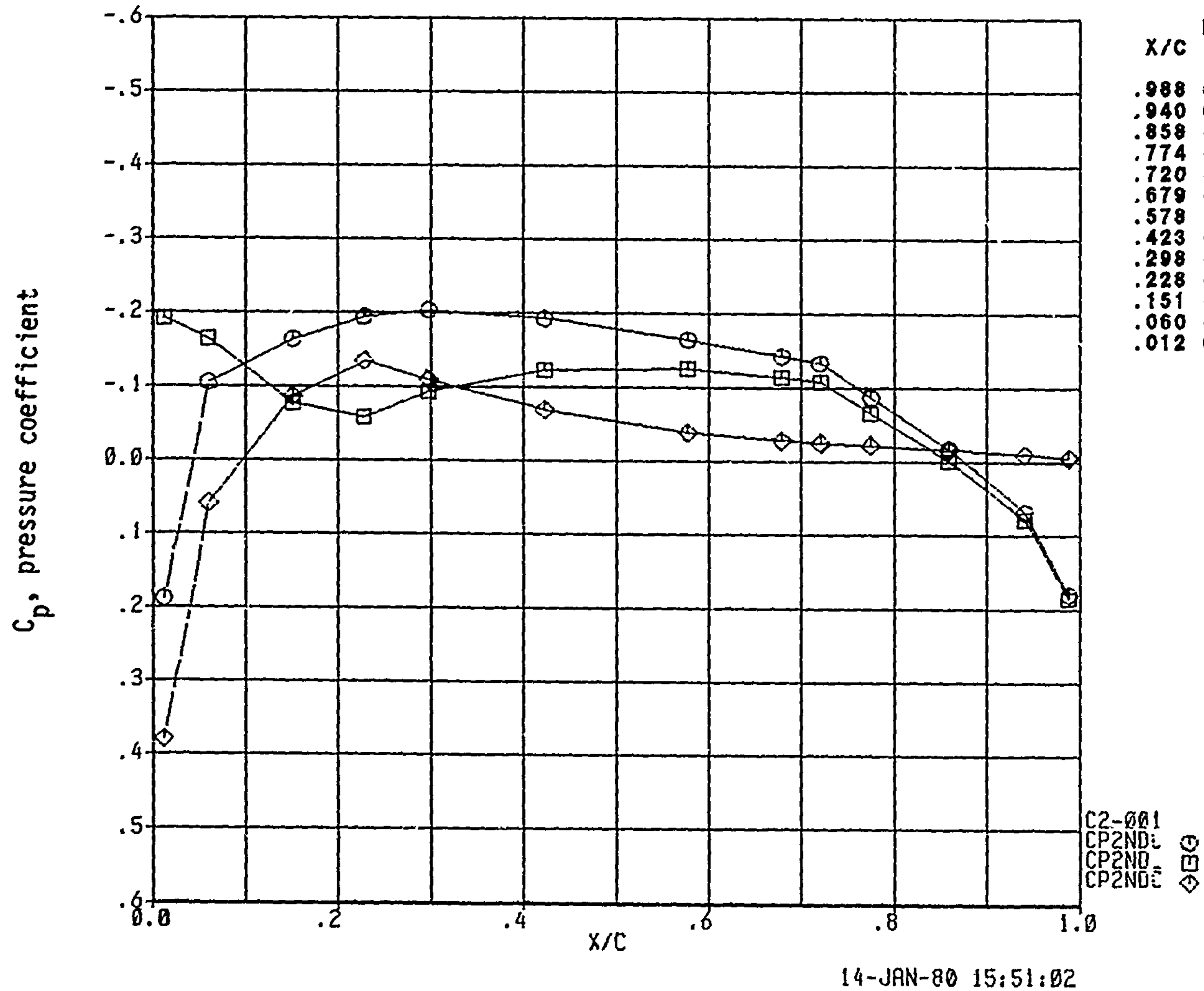
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1820 | 0.1832 | -.0013 |
| .940 | 0.0721 | 0.0749 | -.0028 |
| .858 | -.0119 | -.0068 | -.0051 |
| .774 | -.0799 | -.0723 | -.0076 |
| .720 | -.1251 | -.1160 | -.0092 |
| .679 | -.1327 | -.1222 | -.0105 |
| .578 | -.1528 | -.1361 | -.0167 |
| .423 | -.1770 | -.1380 | -.0390 |
| .298 | -.1838 | -.1113 | -.0724 |
| .228 | -.1729 | -.0800 | -.0928 |
| .151 | -.1370 | -.1045 | -.0325 |
| .060 | -.0645 | -.2082 | 0.1437 |
| .012 | 0.2595 | -.2845 | 0.5440 |

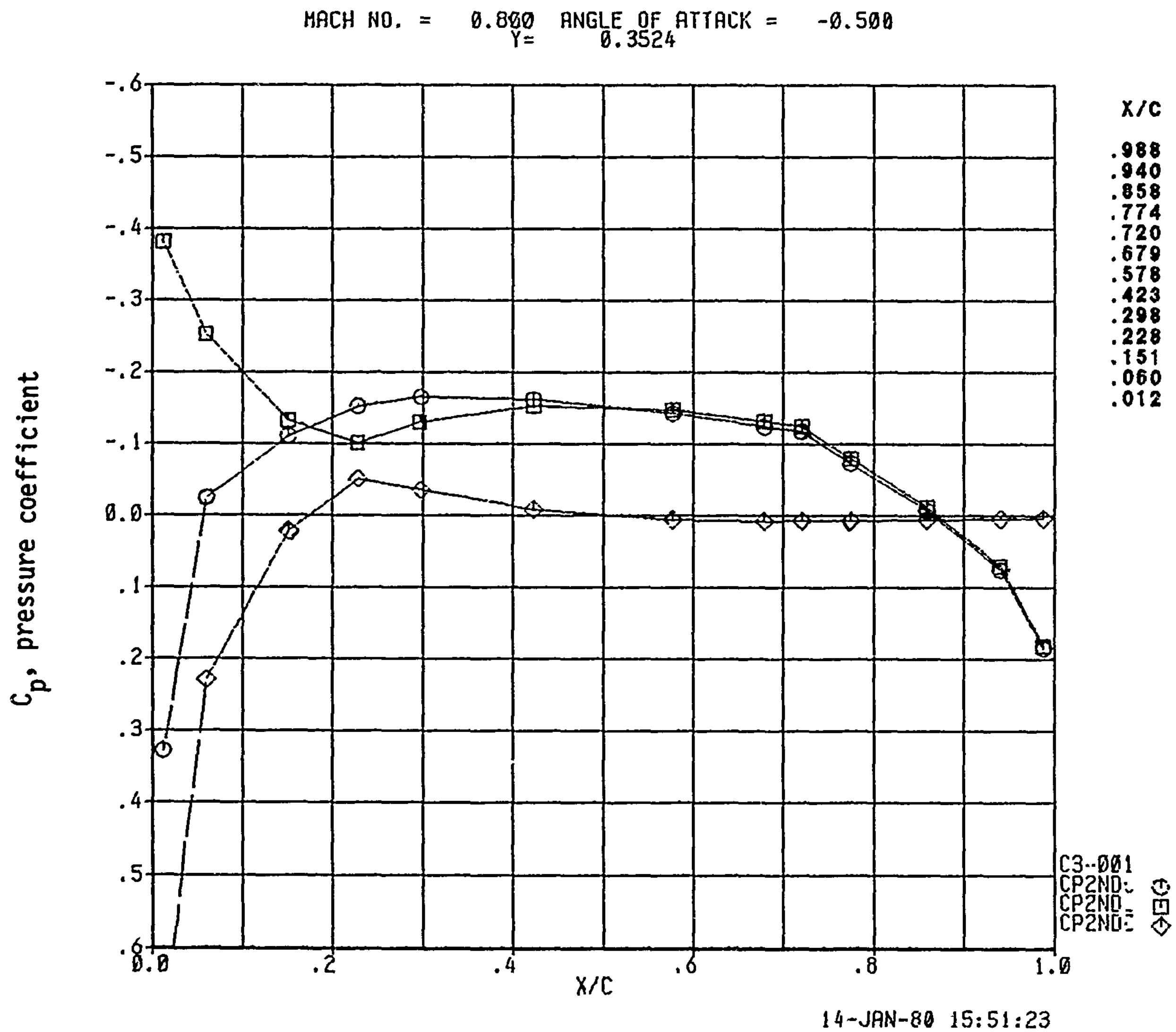
Figure 398, Chordwise Pressure Distribution, Steady, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 0.3524



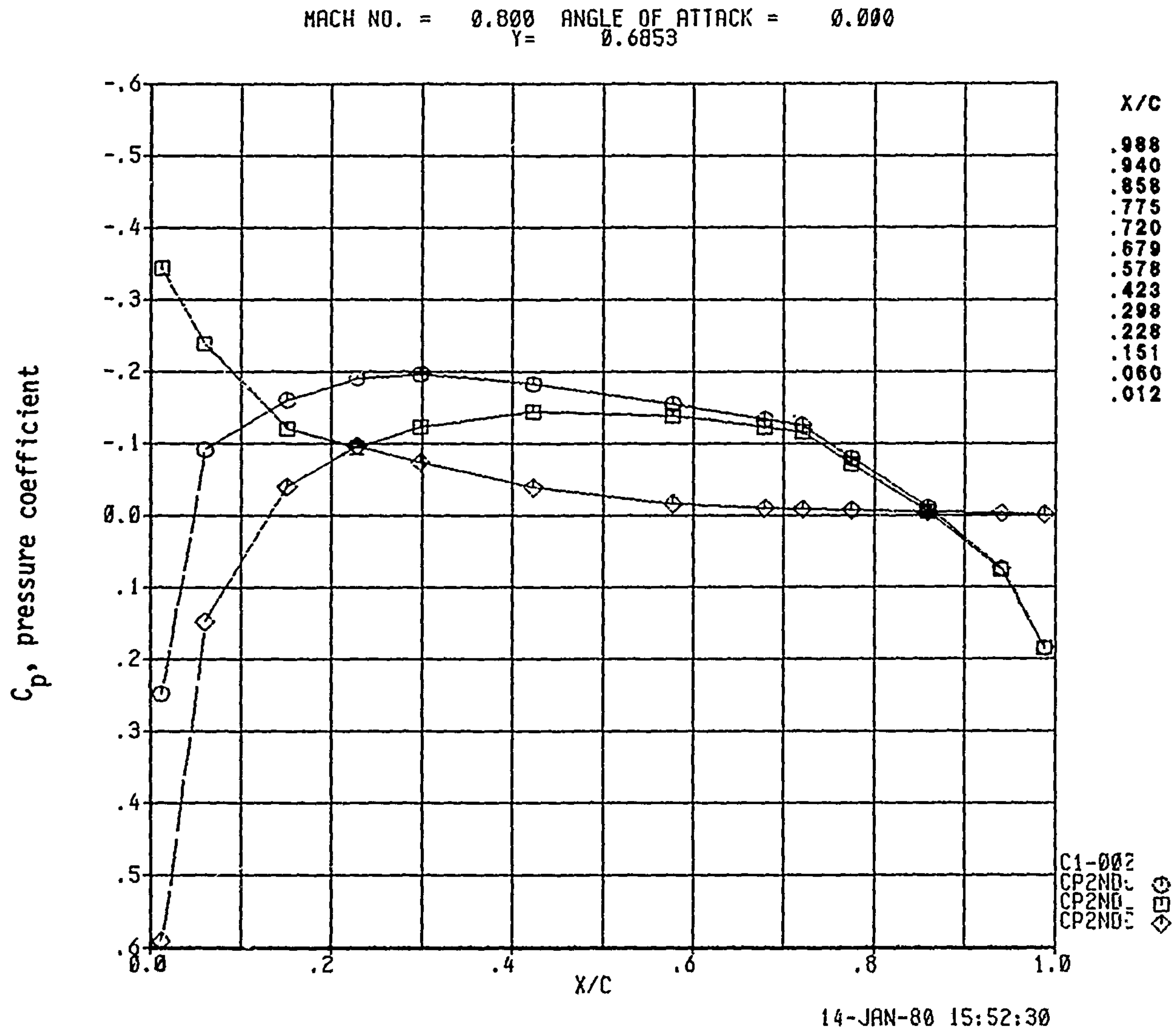

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1796 | 0.1854 | -.0058 |
| .940 | 0.0684 | 0.0784 | -.0101 |
| .858 | -.0175 | -.0013 | -.0161 |
| .774 | -.0872 | -.0651 | -.0220 |
| .720 | -.1334 | -.1078 | -.0256 |
| .679 | -.1417 | -.1134 | -.0284 |
| .578 | -.1640 | -.1250 | -.0390 |
| .423 | -.1922 | -.1230 | -.0692 |
| .298 | -.2025 | -.0930 | -.1095 |
| .228 | -.1939 | -.0591 | -.1347 |
| .151 | -.1637 | -.0772 | -.0865 |
| .060 | -.1052 | -.1639 | 0.0587 |
| .012 | 0.1879 | -.1915 | 0.3794 |

Figure 399, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1842 | 0.1809 | 0.0033 |
| .940 | 0.0756 | 0.0711 | 0.0045 |
| .858 | -.0065 | -.0123 | 0.0059 |
| .774 | -.0727 | -.0796 | 0.0069 |
| .720 | -.1170 | -.1242 | 0.0072 |
| .679 | -.1238 | -.1312 | 0.0074 |
| .578 | -.1417 | -.1473 | 0.0056 |
| .423 | -.1619 | -.1531 | -.0088 |
| .298 | -.1653 | -.1299 | -.0353 |
| .228 | -.1522 | -.1012 | -.0510 |
| .151 | -.1106 | -.1321 | 0.0215 |
| .060 | -.0244 | -.2531 | 0.2286 |
| .012 | 0.3277 | -.3807 | 0.7085 |

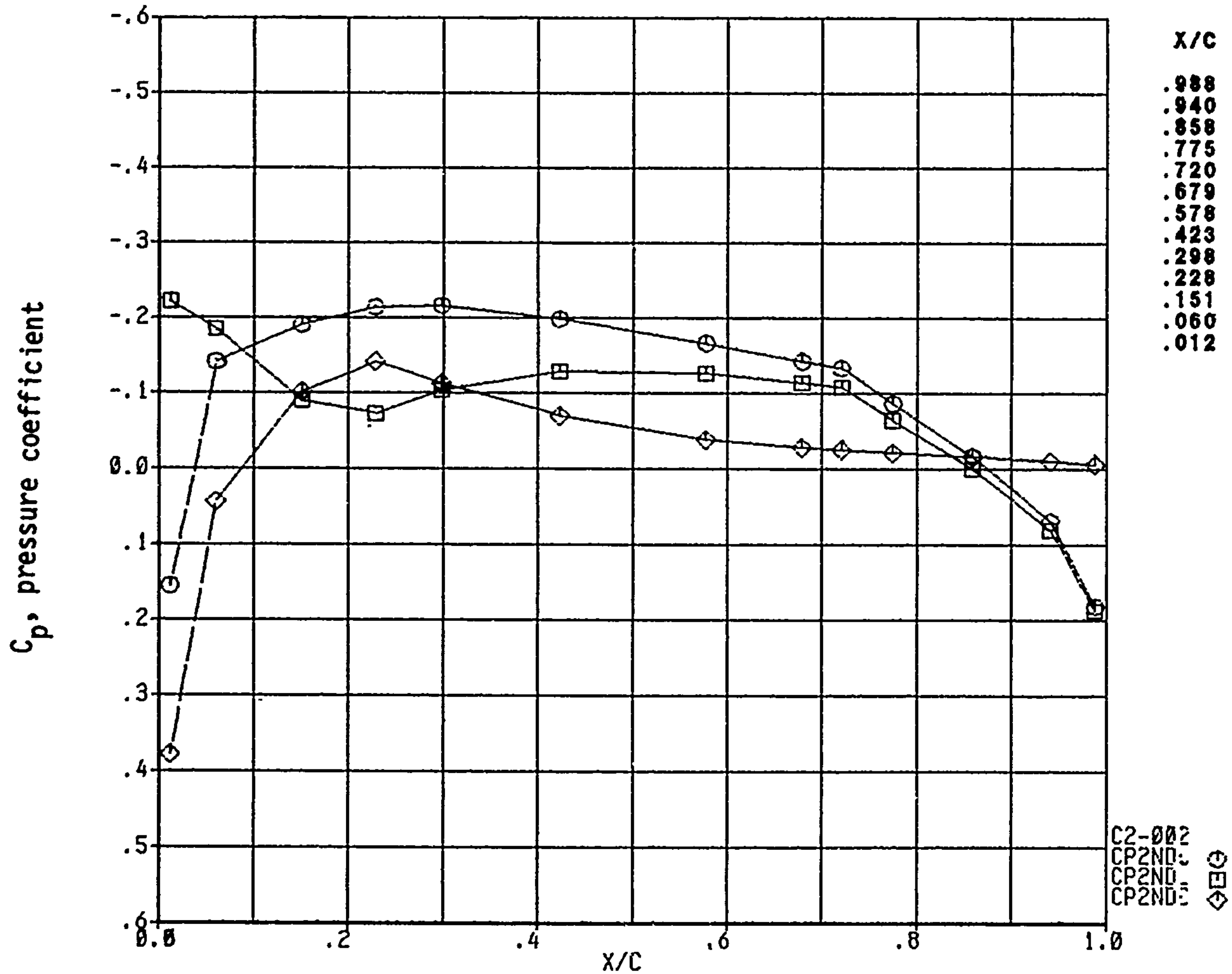
Figure 400, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1838 | 0.1851 | -.0013 |
| .940 | 0.0731 | 0.0760 | -.0028 |
| .858 | -.0110 | -.0059 | -.0051 |
| .775 | -.0791 | -.0716 | -.0075 |
| .720 | -.1249 | -.1158 | -.0091 |
| .679 | -.1329 | -.1225 | -.0103 |
| .578 | -.1542 | -.1379 | -.0163 |
| .423 | -.1829 | -.1441 | -.0388 |
| .298 | -.1966 | -.1227 | -.0739 |
| .228 | -.1909 | -.0944 | -.0964 |
| .151 | -.1600 | -.1200 | -.0399 |
| .060 | -.0916 | -.2396 | 0.1480 |
| .012 | 0.2478 | -.3433 | 0.5910 |

Figure 401, Chordwise Pressure Distribution, Steady, Configuration 4

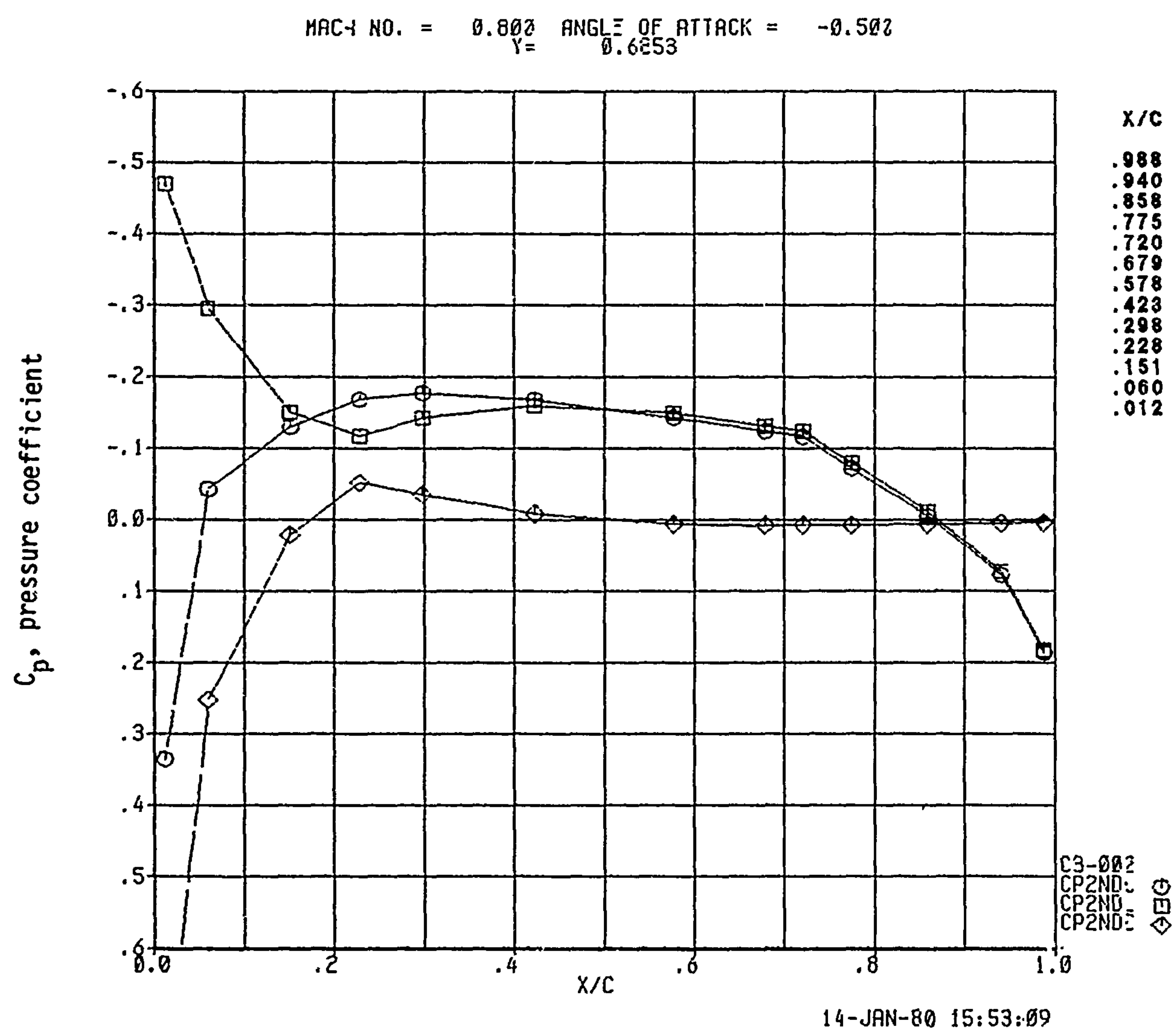
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 0.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1814 | 0.1873 | -.0059 |
| .940 | 0.0694 | 0.0796 | -.0102 |
| .858 | -.0166 | -.0004 | -.0161 |
| .775 | -.0864 | -.0645 | -.0219 |
| .720 | -.1331 | -.1077 | -.0254 |
| .679 | -.1419 | -.1138 | -.0282 |
| .578 | -.1655 | -.1267 | -.0387 |
| .423 | -.1985 | -.1288 | -.0698 |
| .298 | -.2163 | -.1034 | -.1129 |
| .228 | -.2135 | -.0720 | -.1416 |
| .151 | -.1903 | -.0892 | -.1010 |
| .060 | -.1416 | -.1856 | 0.0439 |
| .012 | 0.1552 | -.2221 | 0.3773 |

14-JAN-80 15:52:50

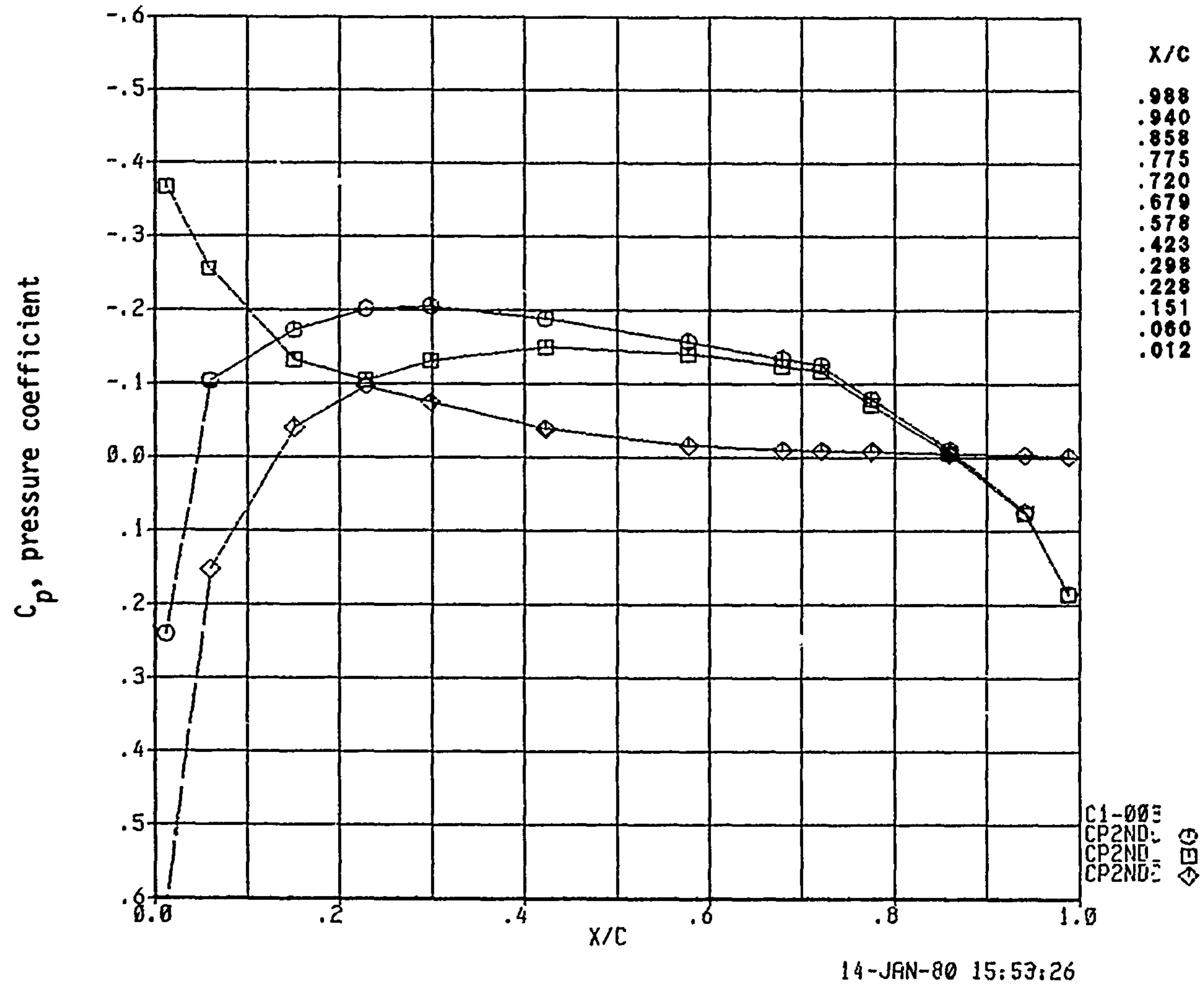
Figure 402, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1861 | 0.1827 | 0.0034 |
| .940 | 0.0767 | 0.0722 | 0.0045 |
| .858 | -.0056 | -.0114 | 0.0059 |
| .775 | -.0719 | -.0789 | 0.0069 |
| .720 | -.1168 | -.1241 | 0.0073 |
| .679 | -.1241 | -.1315 | 0.0075 |
| .578 | -.1431 | -.1491 | 0.0061 |
| .423 | -.1675 | -.1596 | -.0079 |
| .298 | -.1771 | -.1422 | -.0348 |
| .228 | -.1685 | -.1171 | -.0513 |
| .151 | -.1300 | -.1511 | 0.0211 |
| .060 | -.0426 | -.2948 | 0.2522 |
| .012 | 0.3351 | -.4696 | 0.8047 |

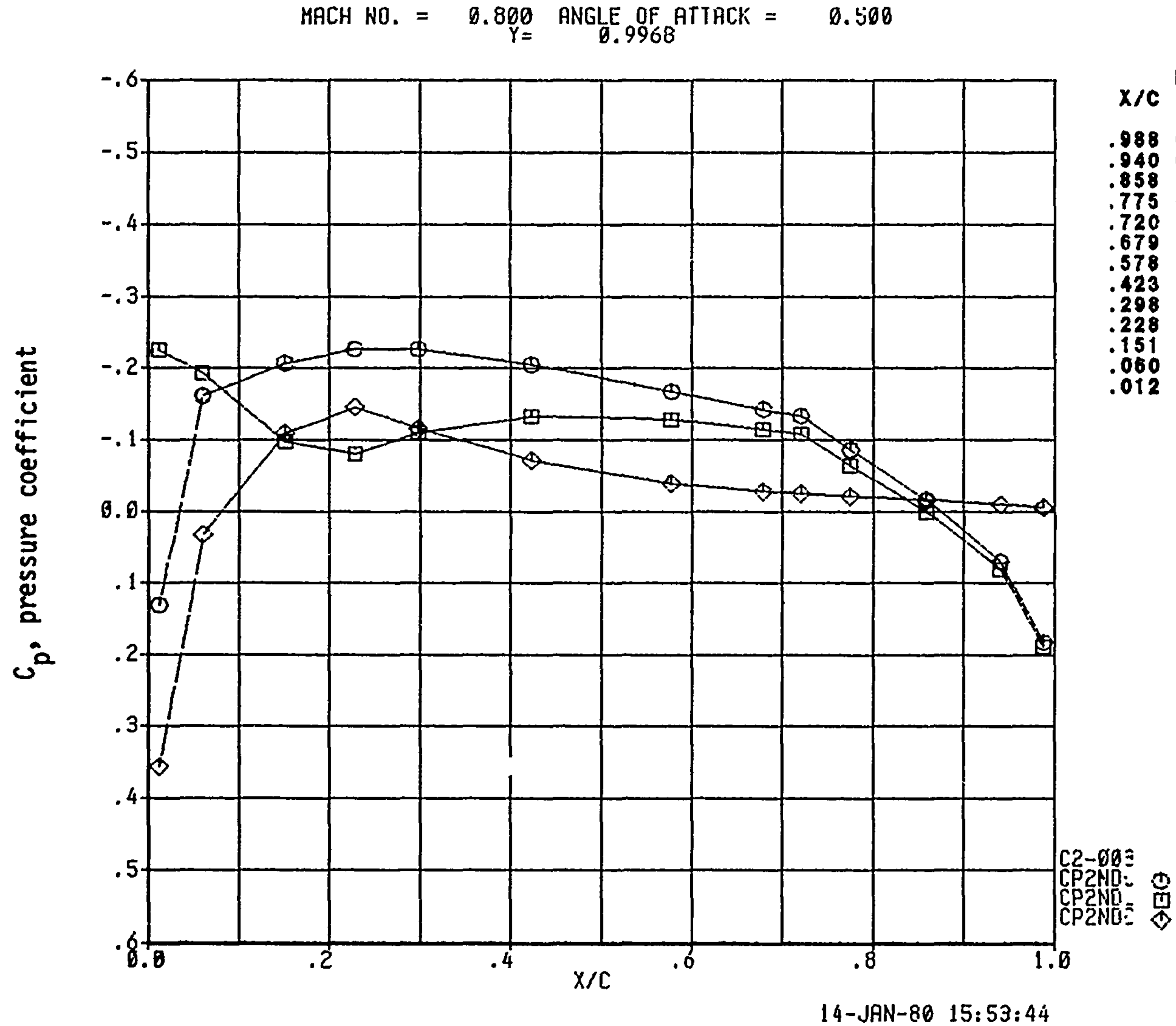
Figure 403, Chordwise Pressure Distribution, Steady, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1846 | 0.1858 | -.0013 |
| .940 | 0.0736 | 0.0765 | -.0028 |
| .858 | -.0108 | -.0057 | -.0051 |
| .775 | -.0793 | -.0719 | -.0074 |
| .720 | -.1255 | -.1165 | -.0091 |
| .679 | -.1339 | -.1236 | -.0103 |
| .578 | -.1564 | -.1400 | -.0164 |
| .423 | -.1882 | -.1491 | -.0390 |
| .298 | -.2052 | -.1309 | -.0743 |
| .228 | -.2014 | -.1046 | -.0969 |
| .151 | -.1721 | -.1317 | -.0404 |
| .060 | -.1034 | -.2556 | 0.1523 |
| .012 | 0.2401 | -.3667 | 0.6068 |

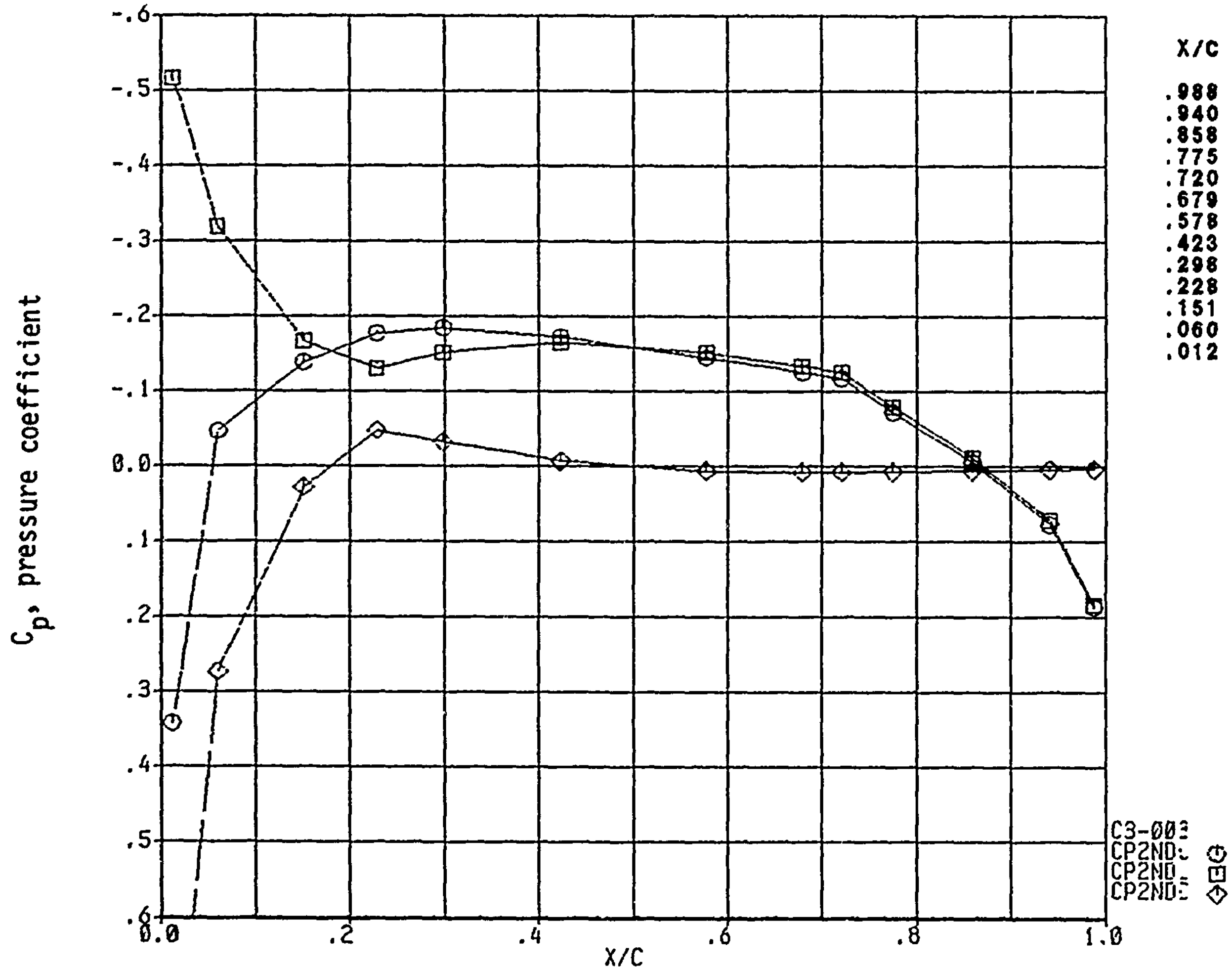
Figure 404, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1821 | 0.1881 | -.0060 |
| .940 | 0.0699 | 0.0801 | -.0102 |
| .858 | -.0164 | -.0003 | -.0160 |
| .775 | -.0866 | -.0648 | -.0218 |
| .720 | -.1338 | -.1084 | -.0255 |
| .679 | -.1430 | -.1147 | -.0283 |
| .578 | -.1679 | -.1287 | -.0393 |
| .423 | -.2045 | -.1331 | -.0715 |
| .298 | -.2265 | -.1102 | -.1163 |
| .228 | -.2264 | -.0801 | -.1463 |
| .151 | -.2062 | -.0973 | -.1089 |
| .060 | -.1614 | -.1932 | 0.0319 |
| .012 | 0.1310 | -.2249 | 0.3559 |

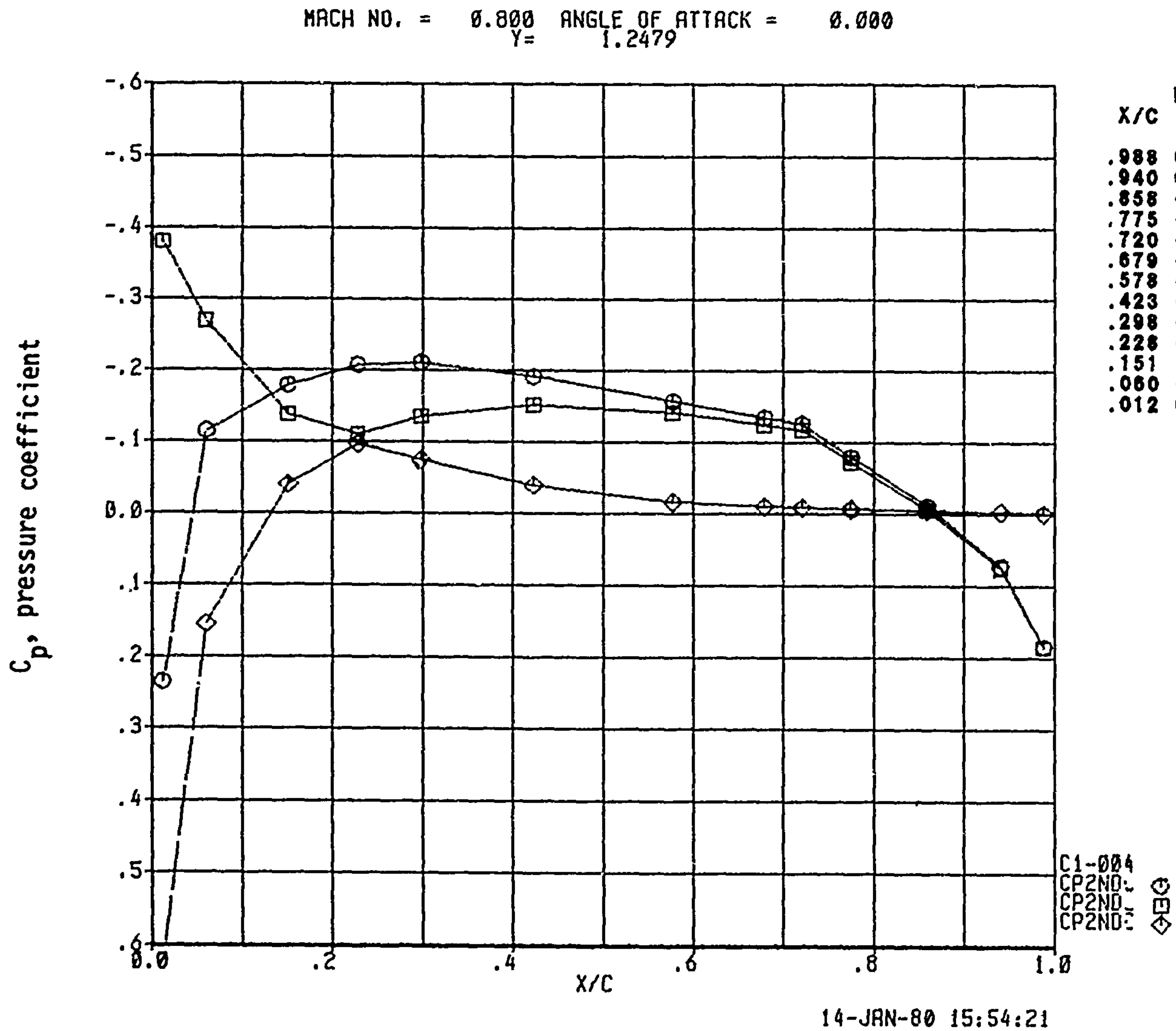
Figure 405, Chordwise Pressure Distribution, Steady, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1868 | 0.1834 | 0.0035 |
| .940 | 0.0772 | 0.0727 | 0.0046 |
| .858 | -.0054 | -.0113 | 0.0059 |
| .775 | -.0722 | -.0792 | 0.0070 |
| .720 | -.1174 | -.1248 | 0.0074 |
| .679 | -.1250 | -.1327 | 0.0077 |
| .578 | -.1450 | -.1516 | 0.0065 |
| .423 | -.1720 | -.1654 | -.0066 |
| .298 | -.1842 | -.1519 | -.0323 |
| .228 | -.1769 | -.1295 | -.0474 |
| .151 | -.1385 | -.1667 | 0.0282 |
| .060 | -.0468 | -.3194 | 0.2726 |
| .012 | 0.3421 | -.5155 | 0.8576 |

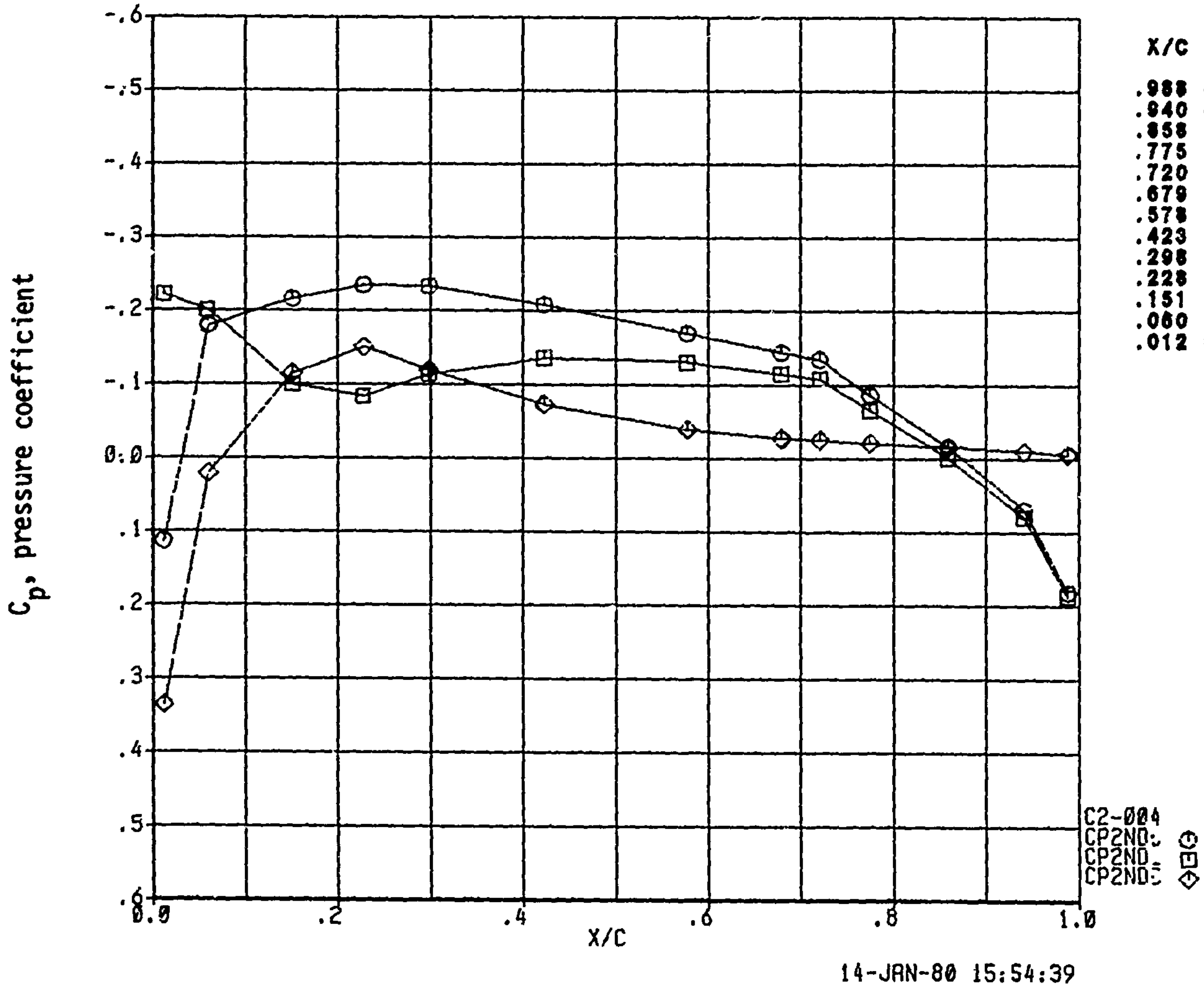
Figure 406, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1840 | 0.1852 | -.0012 |
| .940 | 0.0731 | 0.0758 | -.0027 |
| .858 | -.0111 | -.0062 | -.0049 |
| .775 | -.0795 | -.0722 | -.0072 |
| .720 | -.1257 | -.1168 | -.0089 |
| .679 | -.1342 | -.1240 | -.0102 |
| .578 | -.1572 | -.1408 | -.0164 |
| .423 | -.1914 | -.1520 | -.0393 |
| .298 | -.2104 | -.1356 | -.0748 |
| .226 | -.2073 | -.1105 | -.0967 |
| .151 | -.1783 | -.1382 | -.0401 |
| .060 | -.1141 | -.2692 | 0.1552 |
| .012 | 0.2350 | -.3799 | 0.6149 |

Figure 407, Chordwise Pressure Distribution, Steady, Configuration 4

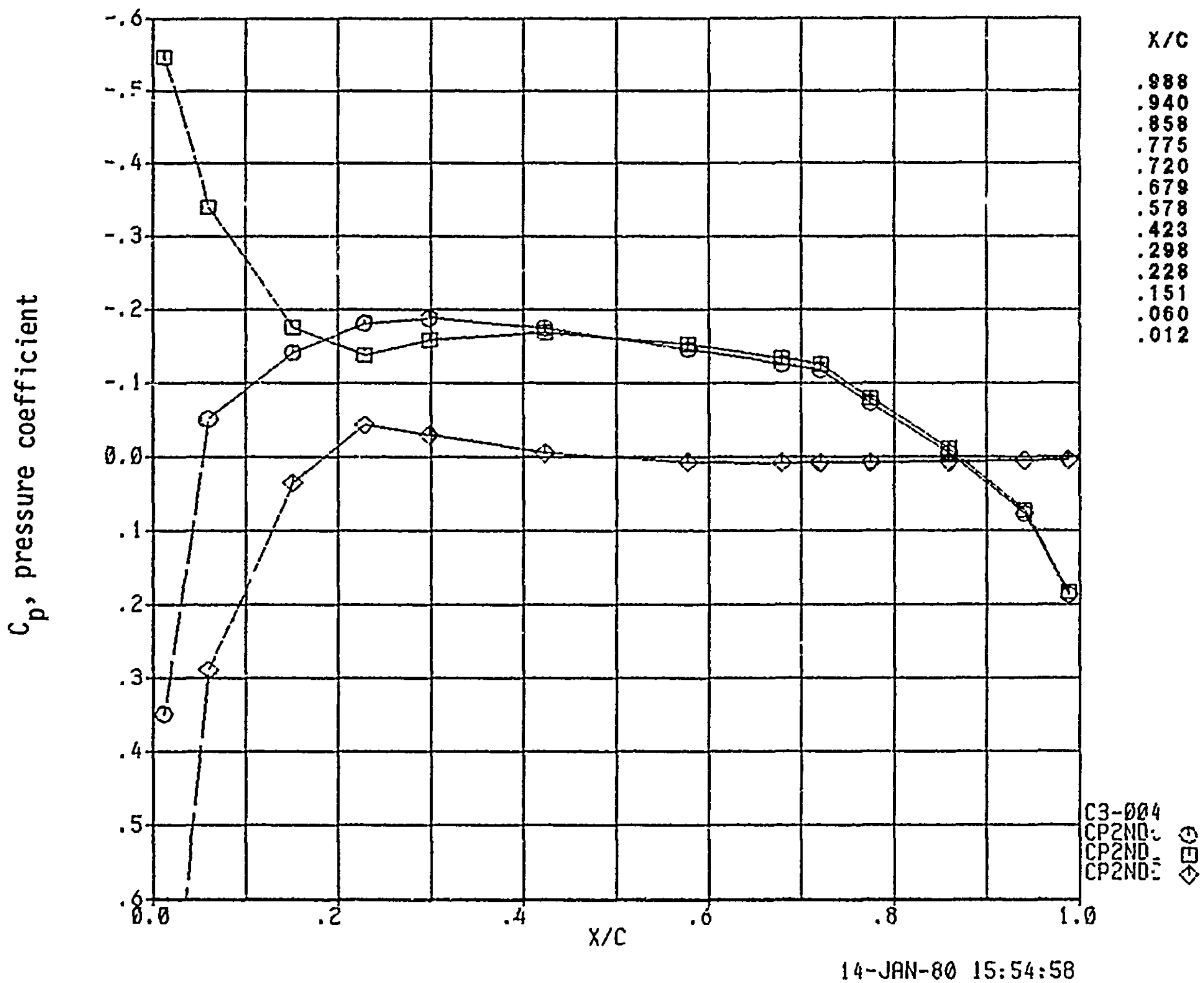
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1815 | 0.1875 | -.0060 |
| .940 | 0.0693 | 0.0794 | -.0100 |
| .858 | -.0166 | -.0008 | -.0158 |
| .775 | -.0866 | -.0652 | -.0214 |
| .720 | -.1338 | -.1088 | -.0251 |
| .679 | -.1432 | -.1152 | -.0280 |
| .578 | -.1689 | -.1294 | -.0395 |
| .423 | -.2083 | -.1355 | -.0729 |
| .298 | -.2331 | -.1136 | -.1195 |
| .228 | -.2342 | -.0841 | -.1500 |
| .151 | -.2156 | -.1007 | -.1150 |
| .060 | -.1784 | -.2002 | 0.0219 |
| .012 | 0.1129 | -.2222 | 0.3351 |

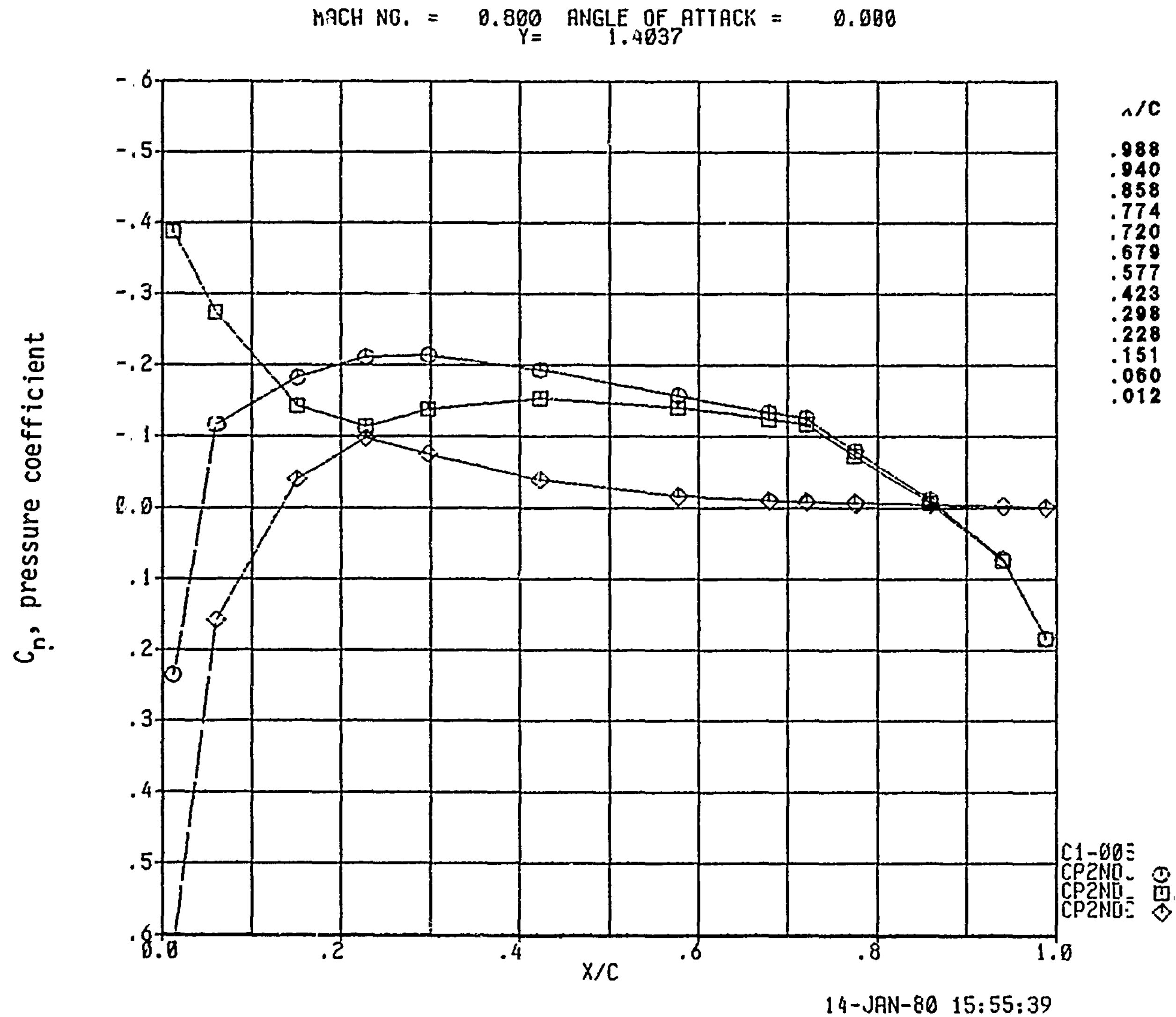
Figure 408, Chordwise Pressure Distribution, Steady, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 1.2479




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1863 | 0.1827 | 0.0036 |
| .940 | 0.0766 | 0.0720 | 0.0046 |
| .858 | -.0058 | -.0117 | 0.0059 |
| .775 | -.0725 | -.0794 | 0.0069 |
| .720 | -.1177 | -.1250 | 0.0073 |
| .679 | -.1254 | -.1330 | 0.0076 |
| .578 | -.1458 | -.1525 | 0.0067 |
| .423 | -.1745 | -.1690 | -.0056 |
| .298 | -.1880 | -.1581 | -.0300 |
| .228 | -.1808 | -.1373 | -.0434 |
| .151 | -.1416 | -.1764 | 0.0348 |
| .060 | -.0514 | -.3398 | 0.2885 |
| .012 | 0.3483 | -.5463 | 0.8946 |

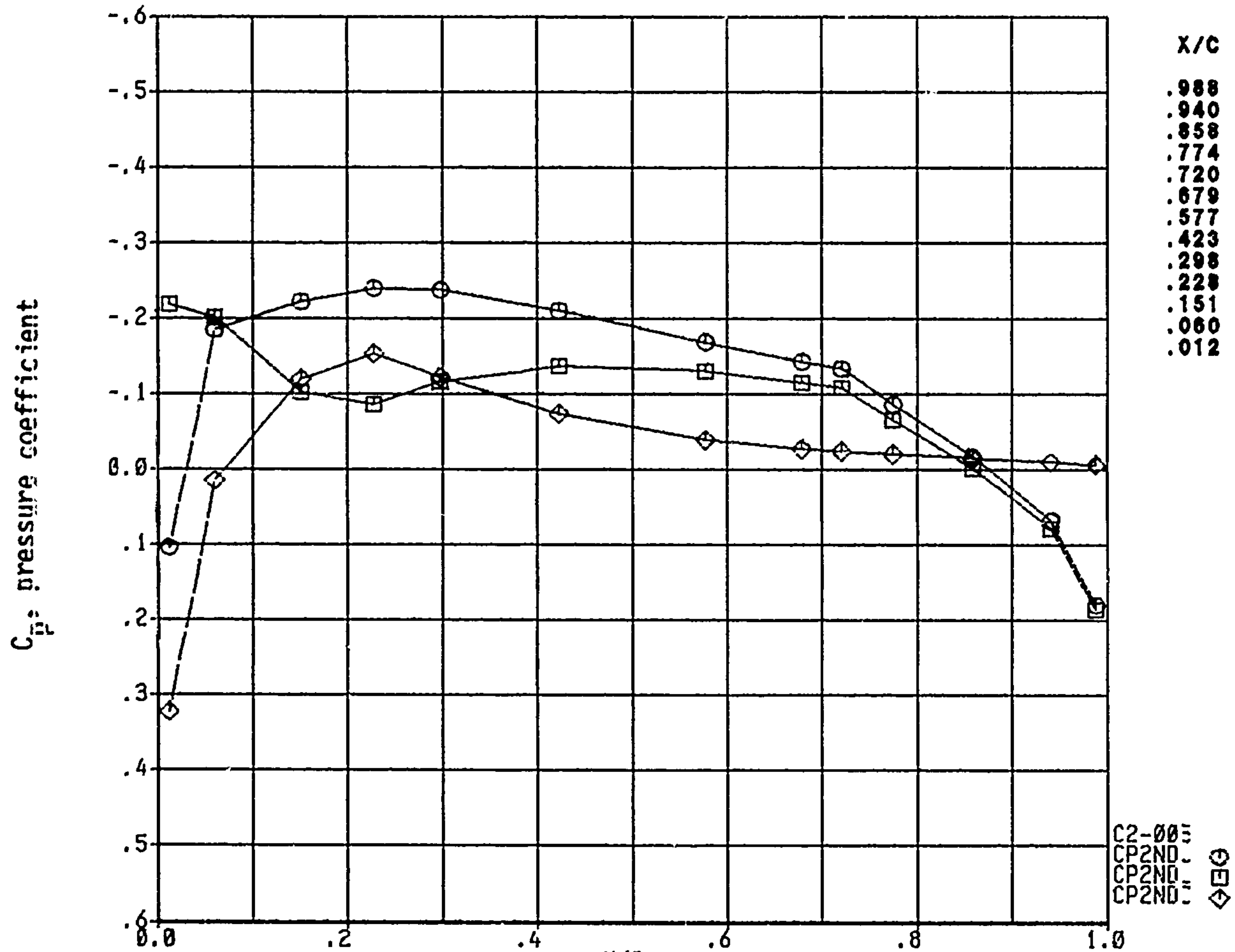
Figure 409, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1826 | 0.1838 | -.0011 |
| .940 | 0.0719 | 0.0746 | -.0026 |
| .858 | -.0116 | -.0069 | -.0048 |
| .774 | -.0793 | -.0723 | -.0070 |
| .720 | -.1252 | -.1166 | -.0086 |
| .679 | -.1335 | -.1237 | -.0099 |
| .577 | -.1567 | -.1405 | -.0162 |
| .423 | -.1927 | -.1531 | -.0395 |
| .298 | -.2137 | -.1383 | -.0755 |
| .228 | -.2112 | -.1138 | -.0973 |
| .151 | -.1822 | -.1421 | -.0401 |
| .060 | -.1162 | -.2736 | 0.1574 |
| .012 | 0.2349 | -.3867 | 0.6217 |

Figure 410, Chordwise Pressure Distribution, Steady, Configuration 4

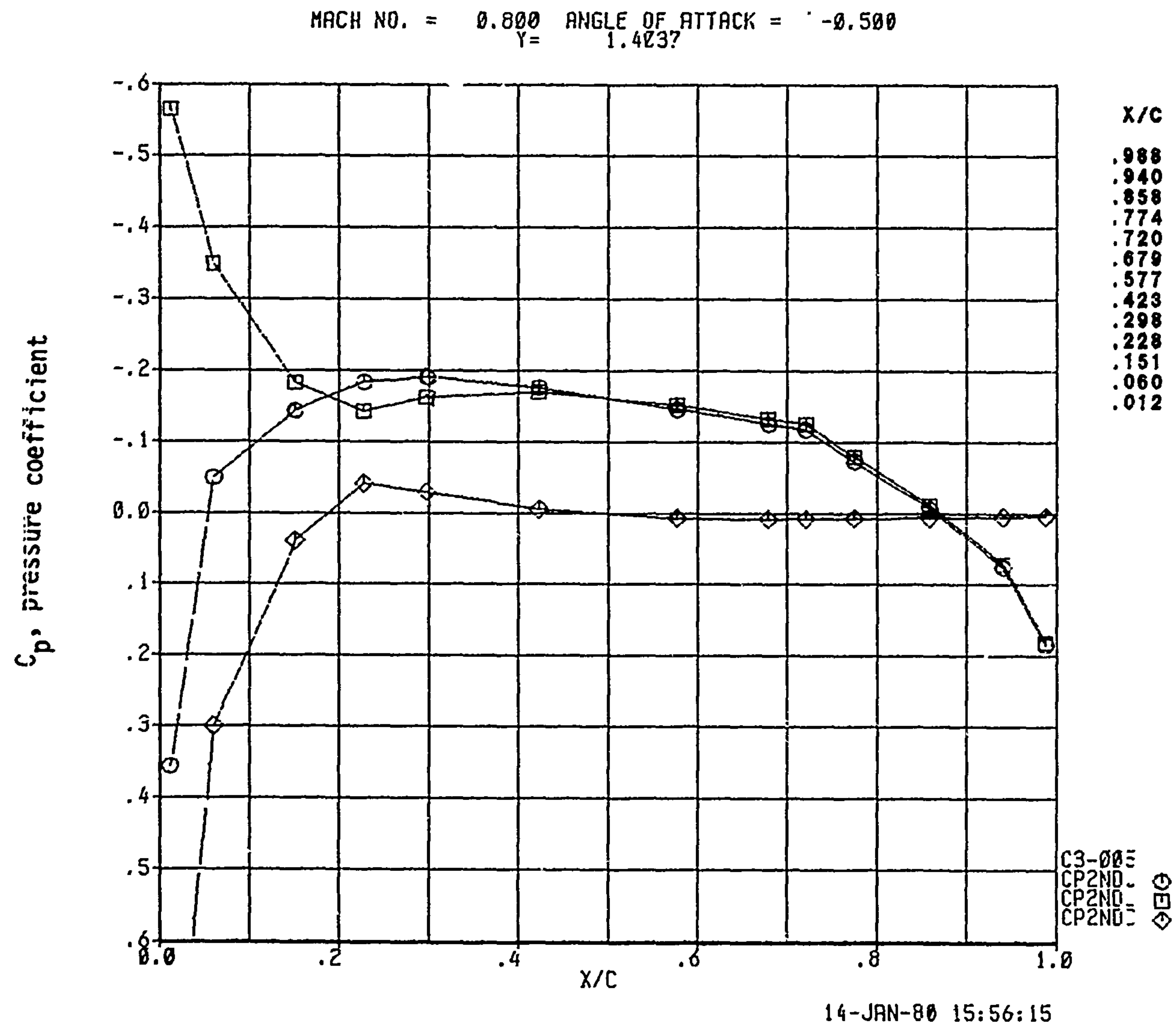
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1801 | 0.1860 | -.0059 |
| .940 | 0.0682 | 0.0781 | -.0099 |
| .858 | -.0171 | -.0017 | -.0154 |
| .774 | -.0863 | -.0655 | -.0208 |
| .720 | -.1332 | -.1088 | -.0243 |
| .679 | -.1423 | -.1151 | -.0272 |
| .577 | -.1682 | -.1292 | -.0389 |
| .423 | -.2099 | -.1363 | -.0737 |
| .298 | -.2372 | -.1155 | -.1217 |
| .228 | -.2393 | -.0863 | -.1530 |
| .151 | -.2216 | -.1025 | -.1192 |
| .060 | -.1849 | -.2003 | 0.0154 |
| .012 | 0.1040 | -.2182 | 0.3222 |

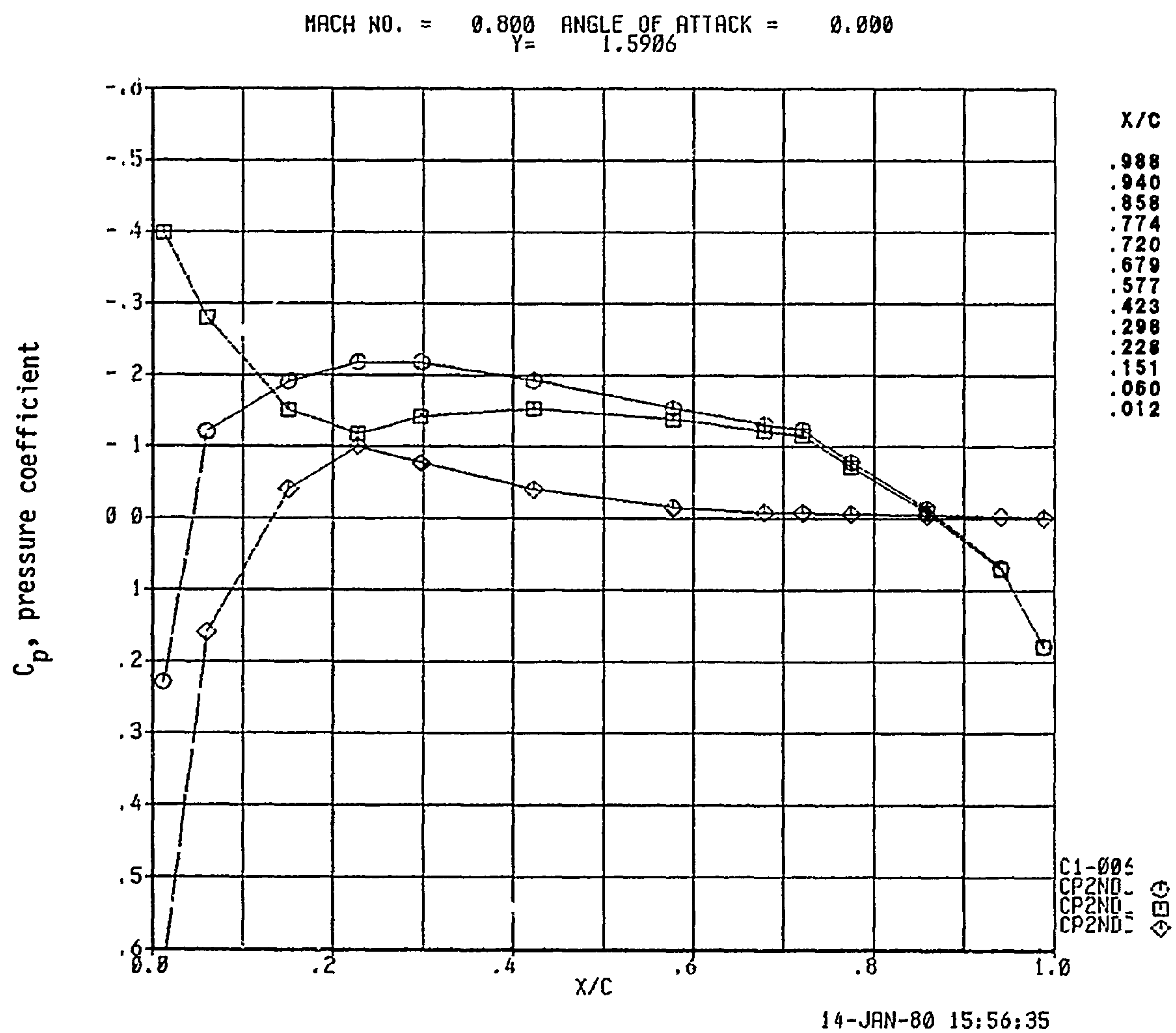
14-JAN-80 15:55:57

Figure 411, Chordwise Pressure Distribution, Steady, Configuration 4



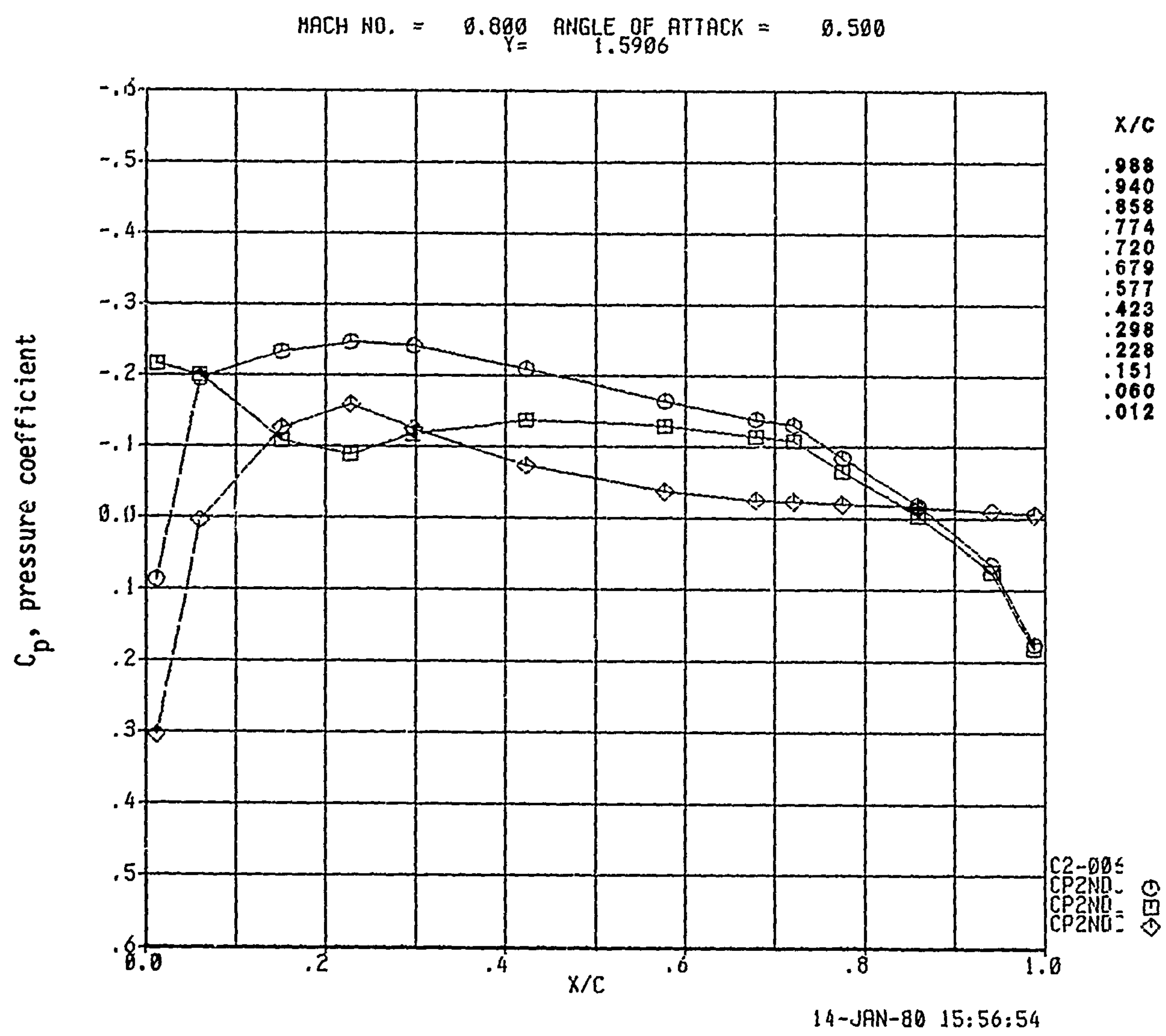

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1849 | 0.1813 | 0.0036 |
| .940 | 0.0754 | 0.0708 | 0.0046 |
| .858 | -.0065 | -.0123 | 0.0058 |
| .774 | -.0725 | -.0793 | 0.0068 |
| .720 | -.1175 | -.1246 | 0.0072 |
| .679 | -.1250 | -.1324 | 0.0075 |
| .577 | -.1454 | -.1520 | 0.0066 |
| .423 | -.1757 | -.1703 | -.0054 |
| .298 | -.1906 | -.1615 | -.0291 |
| .228 | -.1835 | -.1419 | -.0416 |
| .151 | -.1434 | -.1824 | 0.0389 |
| .060 | -.0495 | -.3490 | 0.2995 |
| .012 | 0.3561 | -.5650 | 0.9211 |

Figure 412, Chordwise Pressure Distribution, Steady, Configuration 4




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1783 | 0.1793 | -.0011 |
| .940 | 0.0686 | 0.0710 | -.0024 |
| .858 | -.0129 | -.0086 | -.0043 |
| .774 | -.0780 | -.0717 | -.0063 |
| .720 | -.1226 | -.1149 | -.0077 |
| .679 | -.1302 | -.1214 | -.0088 |
| .577 | -.1536 | -.1386 | -.0150 |
| .423 | -.1926 | -.1528 | -.0397 |
| .298 | -.2177 | -.1408 | -.0770 |
| .228 | -.2176 | -.1171 | -.1005 |
| .151 | -.1909 | -.1503 | -.0406 |
| .060 | -.1201 | -.2797 | 0.1597 |
| .012 | 0.2295 | -.3989 | 0.6284 |

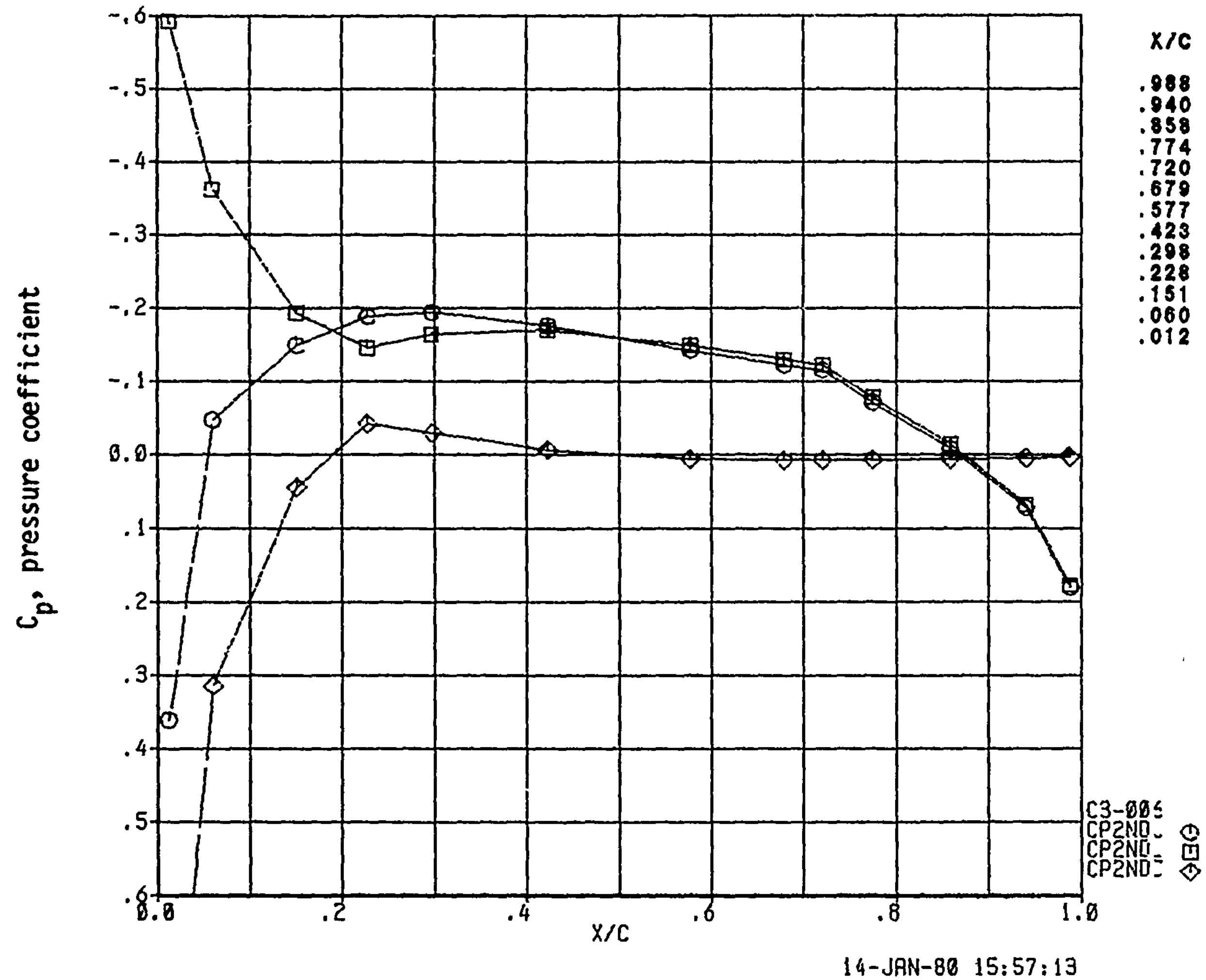
Figure 413, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1758 | 0.1816 | -.0058 |
| .940 | 0.0650 | 0.0744 | -.0094 |
| .858 | -.0181 | -.0036 | -.0144 |
| .774 | -.0848 | -.0653 | -.0193 |
| .720 | -.1301 | -.1076 | -.0225 |
| .679 | -.1383 | -.1135 | -.0250 |
| .577 | -.1643 | -.1281 | -.0363 |
| .423 | -.2095 | -.1363 | -.0731 |
| .298 | -.2418 | -.1175 | -.1243 |
| .228 | -.2471 | -.0882 | -.1589 |
| .151 | -.2333 | -.1079 | -.1254 |
| .060 | -.1948 | -.2001 | 0.0053 |
| .012 | 0.0869 | -.2164 | 0.3033 |

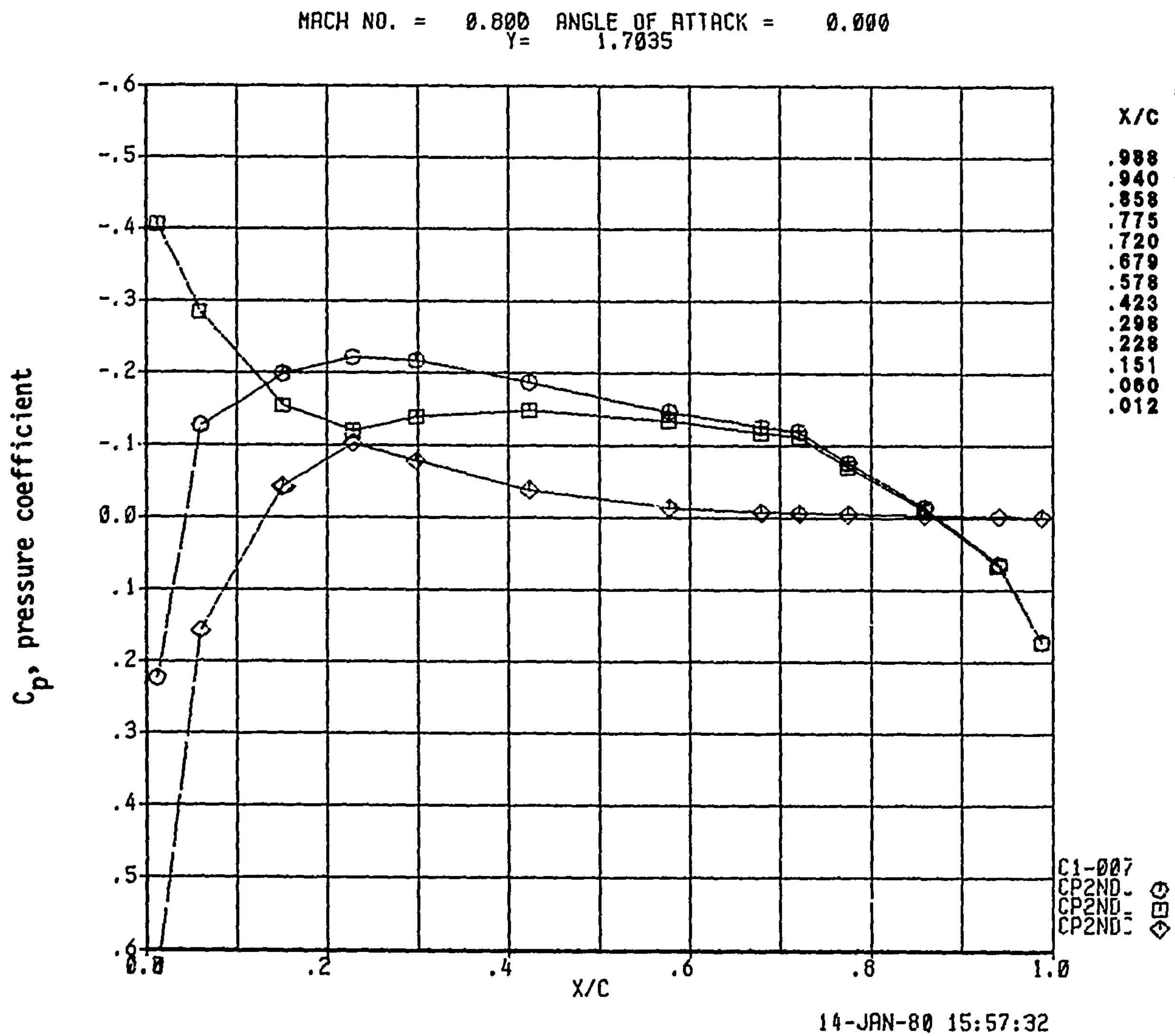
Figure 414, Chordwise Pressure Distribution, Steady, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 1.5906



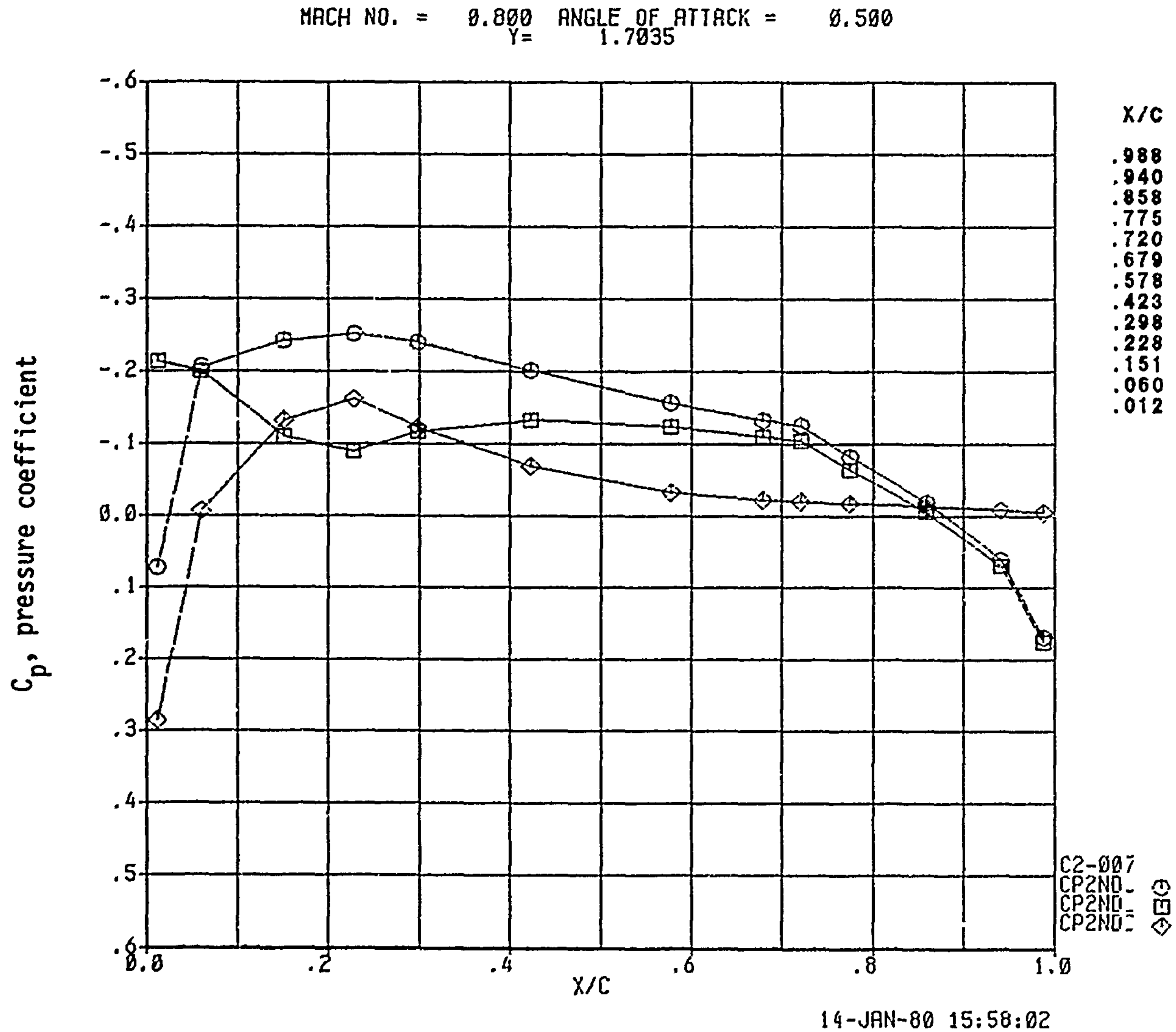

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1805 | 0.1768 | 0.0037 |
| .940 | 0.0719 | 0.0674 | 0.0046 |
| .858 | -.0080 | -.0138 | 0.0058 |
| .774 | -.0717 | -.0783 | 0.0067 |
| .720 | -.1154 | -.1223 | 0.0069 |
| .679 | -.1223 | -.1295 | 0.0072 |
| .577 | -.1431 | -.1493 | 0.0062 |
| .423 | -.1759 | -.1697 | -.0063 |
| .298 | -.1941 | -.1646 | -.0296 |
| .228 | -.1886 | -.1464 | -.0422 |
| .151 | -.1494 | -.1935 | 0.0441 |
| .060 | -.0475 | -.3615 | 0.3140 |
| .012 | 0.3607 | -.5927 | 0.9534 |

Figure 415, Chordwise Pressure Distribution, Steady, Configuration 4



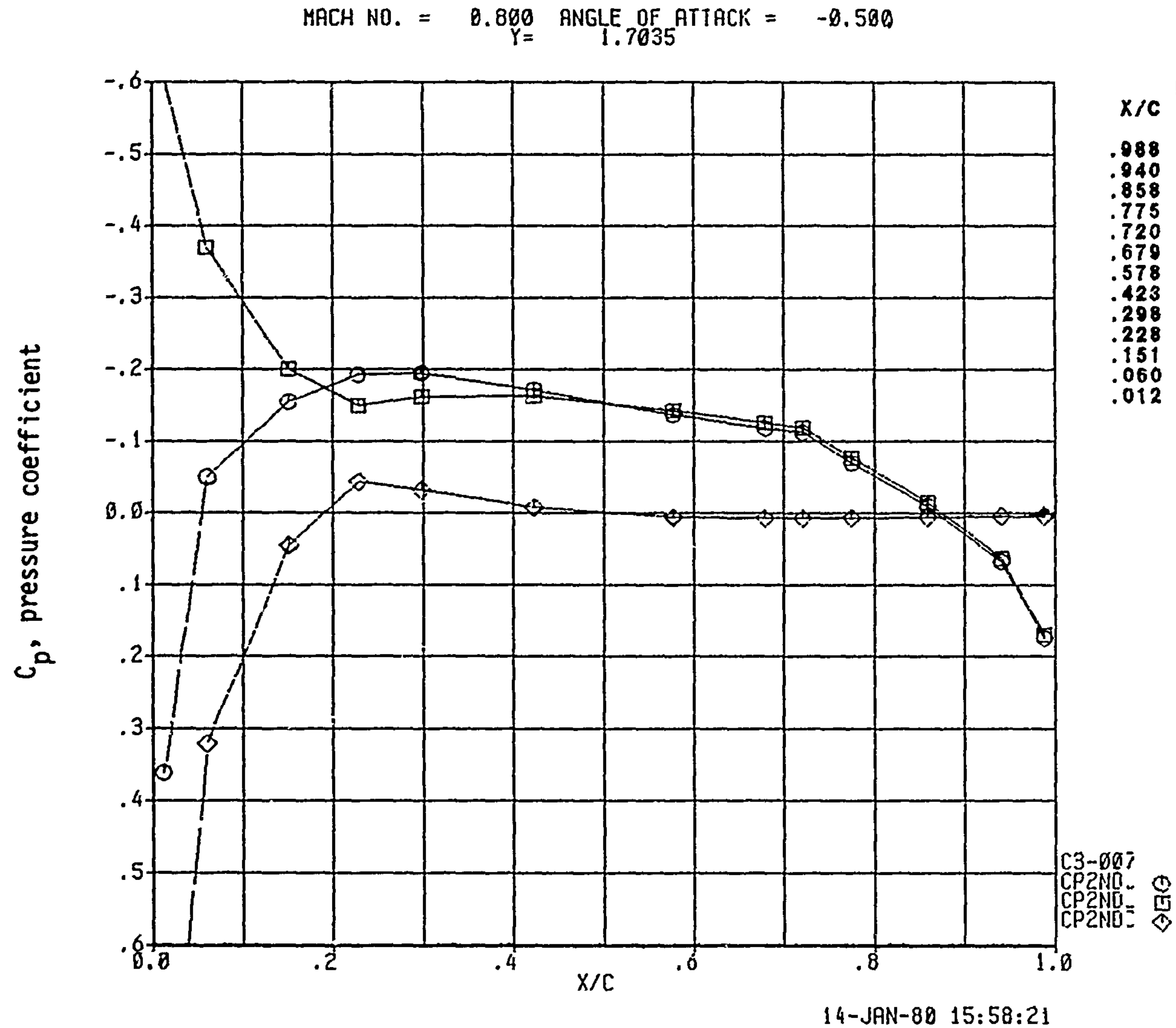

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1719 | 0.1728 | -.0009 |
| .940 | 0.0638 | 0.0660 | -.0021 |
| .858 | -.0142 | -.0103 | -.0039 |
| .775 | -.0759 | -.0703 | -.0057 |
| .720 | -.1186 | -.1118 | -.0068 |
| .679 | -.1252 | -.1173 | -.0078 |
| .578 | -.1466 | -.1331 | -.0135 |
| .423 | -.1862 | -.1479 | -.0383 |
| .298 | -.2171 | -.1395 | -.0776 |
| .228 | -.2216 | -.1193 | -.1023 |
| .151 | -.1979 | -.1543 | -.0436 |
| .060 | -.1268 | -.2837 | 0.1569 |
| .012 | 0.2230 | -.4052 | 0.6282 |

Figure 416, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1694 | 0.1751 | -.0057 |
| .940 | 0.0603 | 0.0693 | -.0091 |
| .858 | -.0191 | -.0056 | -.0135 |
| .775 | -.0822 | -.0643 | -.0179 |
| .720 | -.1256 | -.1050 | -.0206 |
| .679 | -.1327 | -.1100 | -.0227 |
| .578 | -.1564 | -.1235 | -.0329 |
| .423 | -.2017 | -.1328 | -.0690 |
| .298 | -.2401 | -.1172 | -.1229 |
| .228 | -.2514 | -.0900 | -.1614 |
| .151 | -.2422 | -.1100 | -.1322 |
| .060 | -.2060 | -.1996 | -.0064 |
| .012 | 0.0721 | -.2131 | 0.2853 |

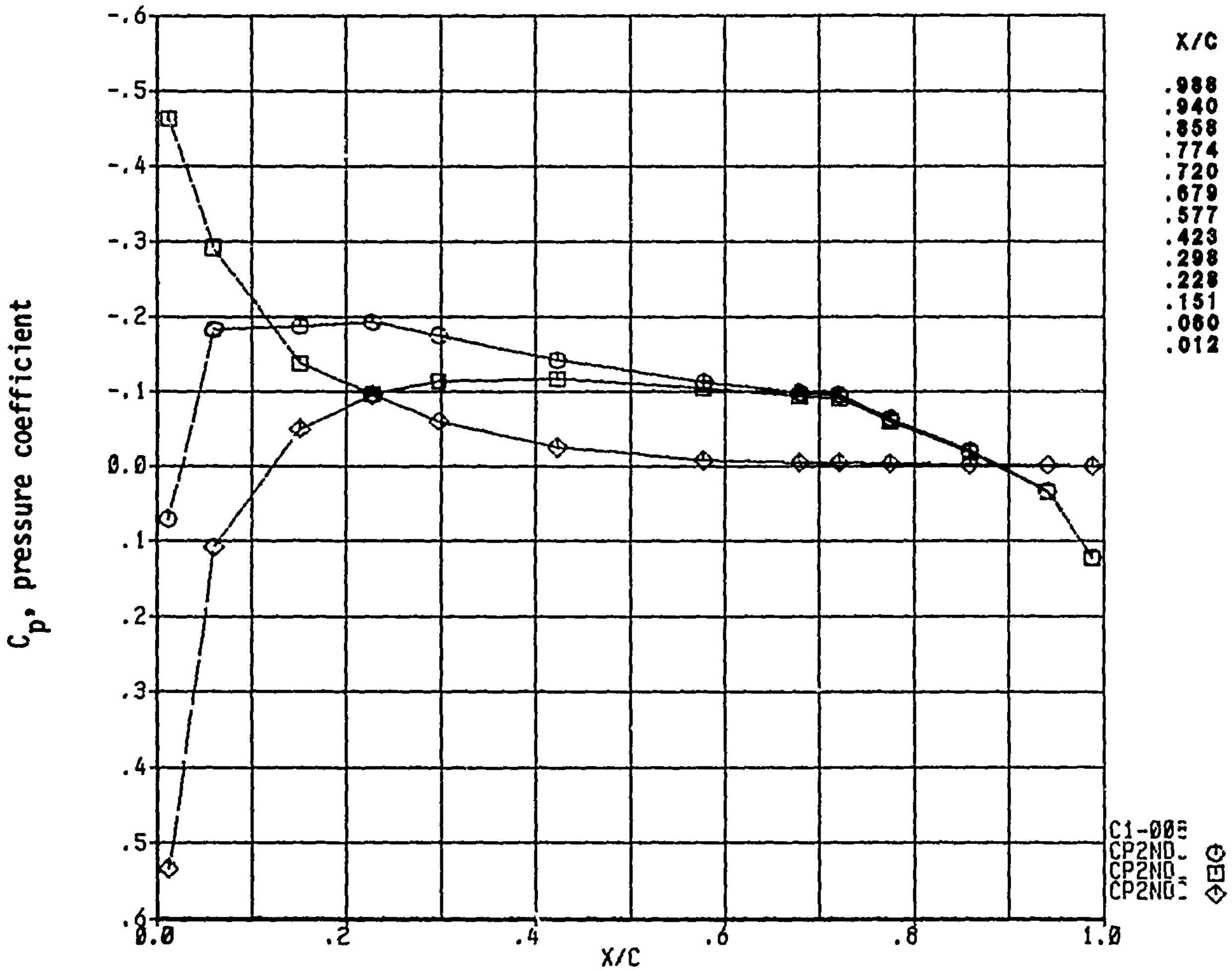
Figure 417, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1741 | 0.1703 | 0.0038 |
| .940 | 0.0671 | 0.0624 | 0.0047 |
| .858 | -.0096 | -.0154 | 0.0058 |
| .775 | -.0700 | -.0766 | 0.0066 |
| .720 | -.1119 | -.1188 | 0.0069 |
| .679 | -.1179 | -.1249 | 0.0070 |
| .578 | -.1371 | -.1430 | 0.0059 |
| .423 | -.1710 | -.1634 | -.0076 |
| .298 | -.1945 | -.1623 | -.0322 |
| .228 | -.1922 | -.1489 | -.0433 |
| .151 | -.1544 | -.1994 | 0.0450 |
| .060 | -.0501 | -.3701 | 0.3201 |
| .012 | 0.3611 | -.6099 | 0.9710 |

Figure 418, Chordwise Pressure Distribution, Steady, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
Y= 1.9021

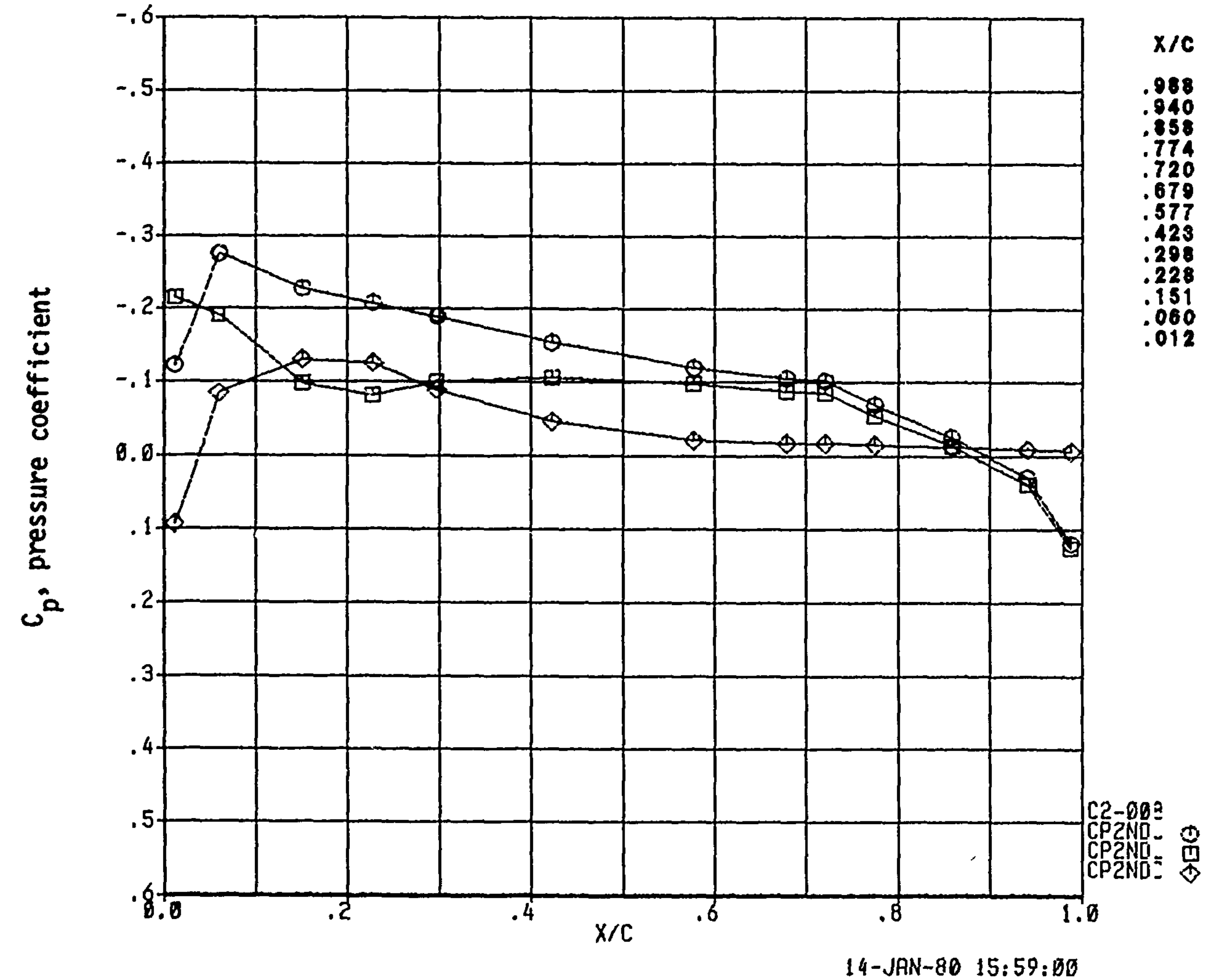



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1219 | 0.1225 | -.0005 |
| .940 | 0.0335 | 0.0350 | -.0014 |
| .858 | -.0208 | -.0182 | -.0026 |
| .774 | -.0634 | -.0595 | -.0039 |
| .720 | -.0957 | -.0909 | -.0048 |
| .679 | -.0987 | -.0937 | -.0050 |
| .577 | -.1119 | -.1046 | -.0075 |
| .423 | -.1425 | -.1169 | -.0255 |
| .298 | -.1747 | -.1143 | -.0603 |
| .228 | -.1923 | -.0966 | -.0957 |
| .151 | -.1876 | -.1375 | -.0501 |
| .060 | -.1826 | -.2907 | 0.1082 |
| .012 | 0.0709 | -.4625 | 0.5333 |

14-JAN-80 15:58:40

Figure 419, Chordwise Pressure Distribution, Steady, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.9021

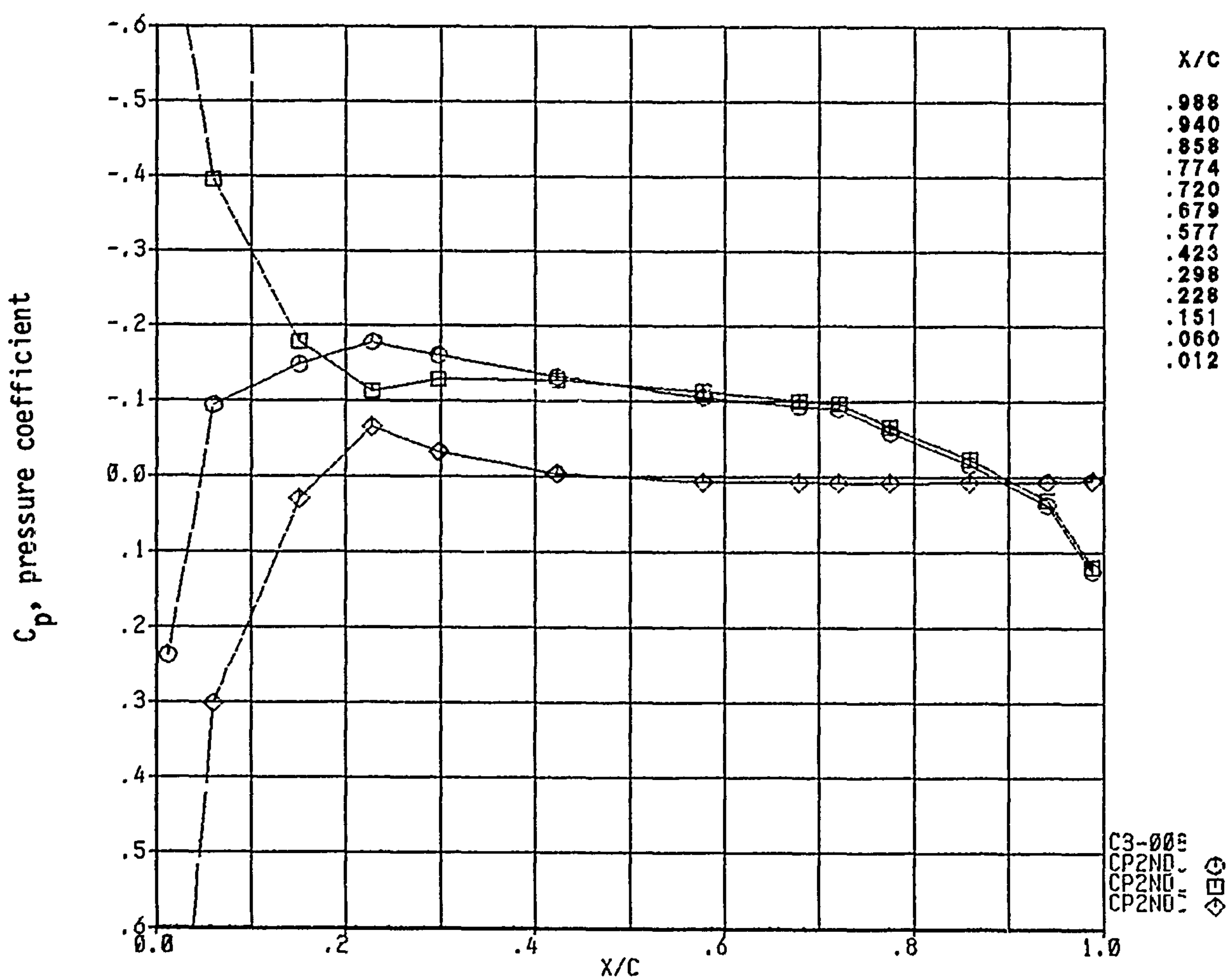



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1188 | 0.1252 | -.0064 |
| .940 | 0.0295 | 0.0387 | -.0093 |
| .858 | -.0260 | -.0134 | -.0126 |
| .774 | -.0693 | -.0539 | -.0154 |
| .720 | -.1019 | -.0850 | -.0170 |
| .679 | -.1050 | -.0877 | -.0172 |
| .577 | -.1193 | -.0974 | -.0219 |
| .423 | -.1533 | -.1063 | -.0470 |
| .298 | -.1891 | -.1002 | -.0890 |
| .228 | -.2073 | -.0814 | -.1259 |
| .151 | -.2275 | -.0973 | -.1302 |
| .060 | -.2751 | -.1904 | -.0848 |
| .012 | -.1223 | -.2154 | 0.0931 |

14-JAN-80 15:59:00

Figure 420, Chordwise Pressure Distribution, Steady, Configuration 4

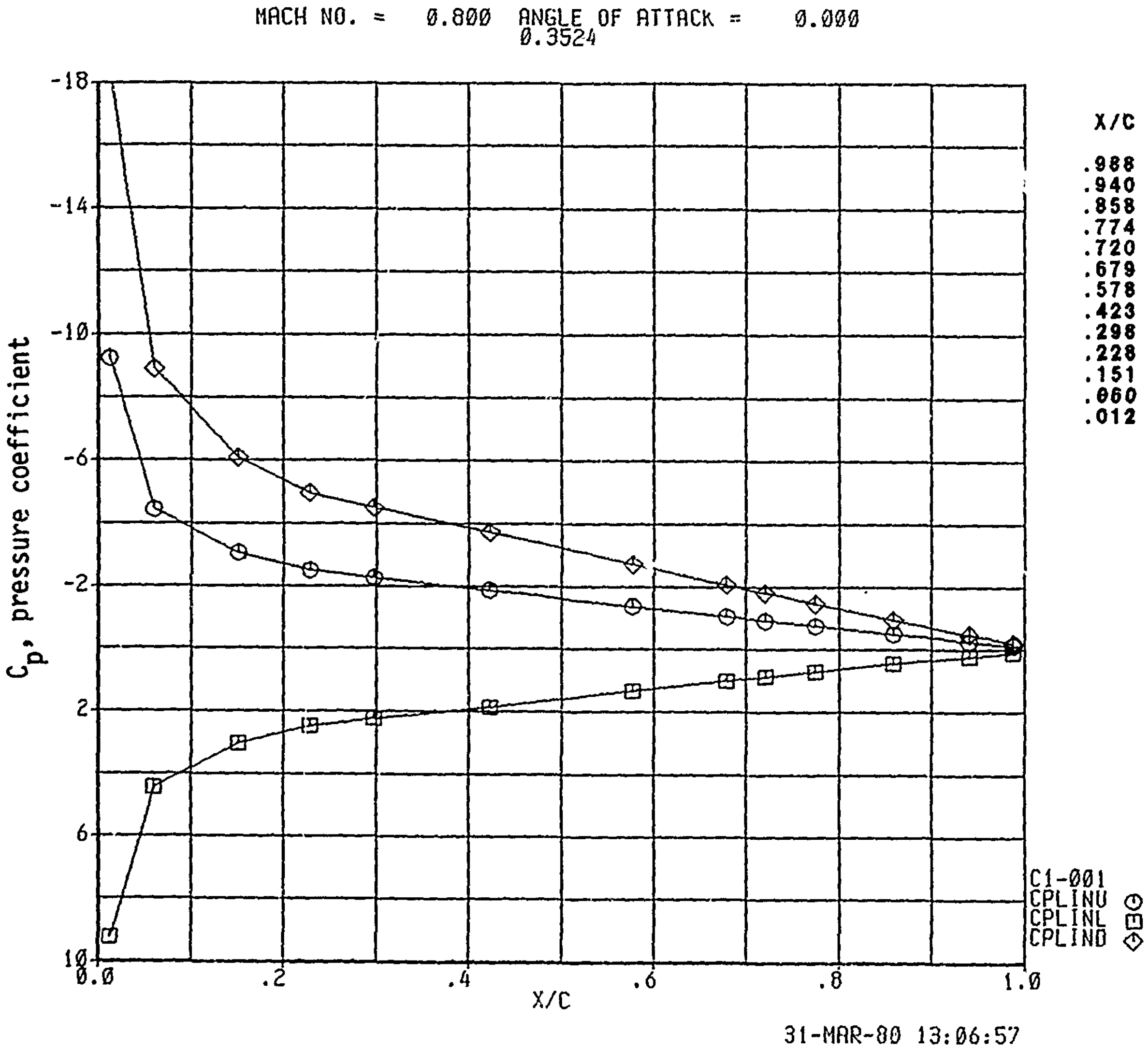
MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1246 | 0.1192 | 0.0053 |
| .940 | 0.0372 | 0.0308 | 0.0064 |
| .858 | -.0161 | -.0234 | 0.0073 |
| .774 | -.0579 | -.0655 | 0.0076 |
| .720 | -.0898 | -.0972 | 0.0074 |
| .679 | -.0928 | -.1000 | 0.0073 |
| .577 | -.1050 | -.1120 | 0.0070 |
| .423 | -.1319 | -.1278 | -.0041 |
| .298 | -.1605 | -.1289 | -.0316 |
| .228 | -.1775 | -.1122 | -.0654 |
| .151 | -.1482 | -.1783 | 0.0301 |
| .060 | -.0939 | -.3949 | 0.3011 |
| .012 | 0.2371 | -.7365 | 0.9736 |

14-JAN-80 15:59:18

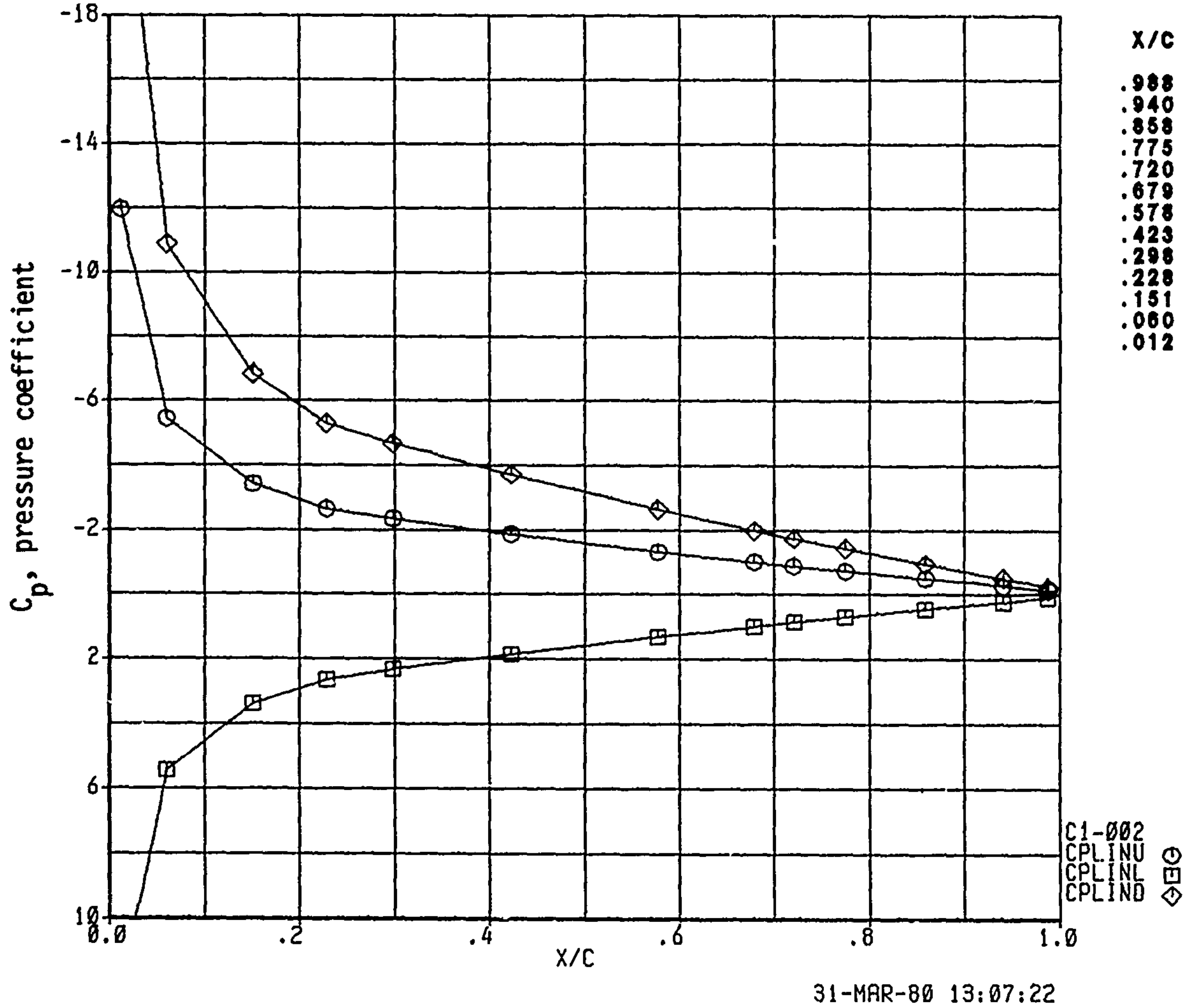
Figure 421, Chordwise Pressure Distribution, Steady, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1194 | 0.0905 | -.2099 |
| .940 | -.2551 | 0.2260 | -.4811 |
| .858 | -.4838 | 0.4553 | -.9391 |
| .774 | -.7431 | 0.7163 | -1.459 |
| .720 | -.9080 | 0.8829 | -1.791 |
| .679 | -1.037 | 1.0130 | -2.050 |
| .578 | -1.363 | 1.3432 | -2.707 |
| .423 | -1.871 | 1.8561 | -3.727 |
| .298 | -2.260 | 2.2494 | -4.510 |
| .228 | -2.492 | 2.4836 | -4.976 |
| .151 | -3.049 | 3.0426 | -6.092 |
| .060 | -4.451 | 4.4471 | -8.898 |
| .012 | -9.230 | 9.2271 | -18.46 |

Figure 422, Chordwise Pressure Distribution, Real, Configuration 4

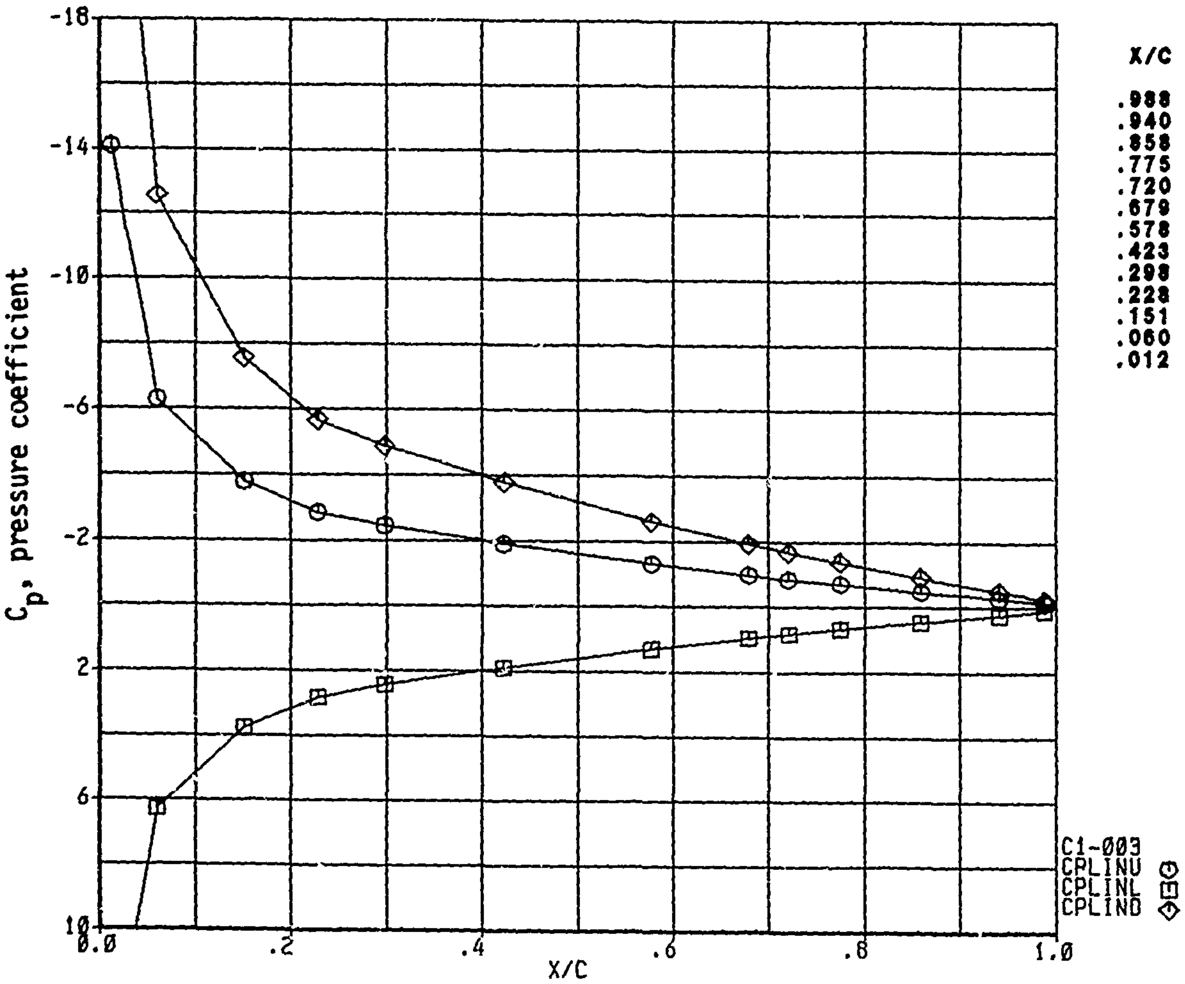
MACH NO. = Ø.8ØØ ANGLE OF ATTACK = Ø.ØØØ
Ø.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1271 | 0.0929 | -.2200 |
| .940 | -.2649 | 0.2310 | -.4959 |
| .858 | -.4835 | 0.4509 | -.9344 |
| .775 | -.7246 | 0.6943 | -1.419 |
| .720 | -.8807 | 0.8522 | -1.733 |
| .679 | -1.003 | 0.9765 | -1.980 |
| .578 | -1.329 | 1.3059 | -2.635 |
| .423 | -1.869 | 1.8514 | -3.720 |
| .298 | -2.335 | 2.3212 | -4.656 |
| .228 | -2.647 | 2.6353 | -5.282 |
| .151 | -3.416 | 3.4063 | -6.822 |
| .060 | -5.443 | 5.4361 | -10.88 |
| .012 | -11.97 | 11.959 | -23.92 |

Figure 423, Chordwise Pressure Distribution, Real, Configuration 4

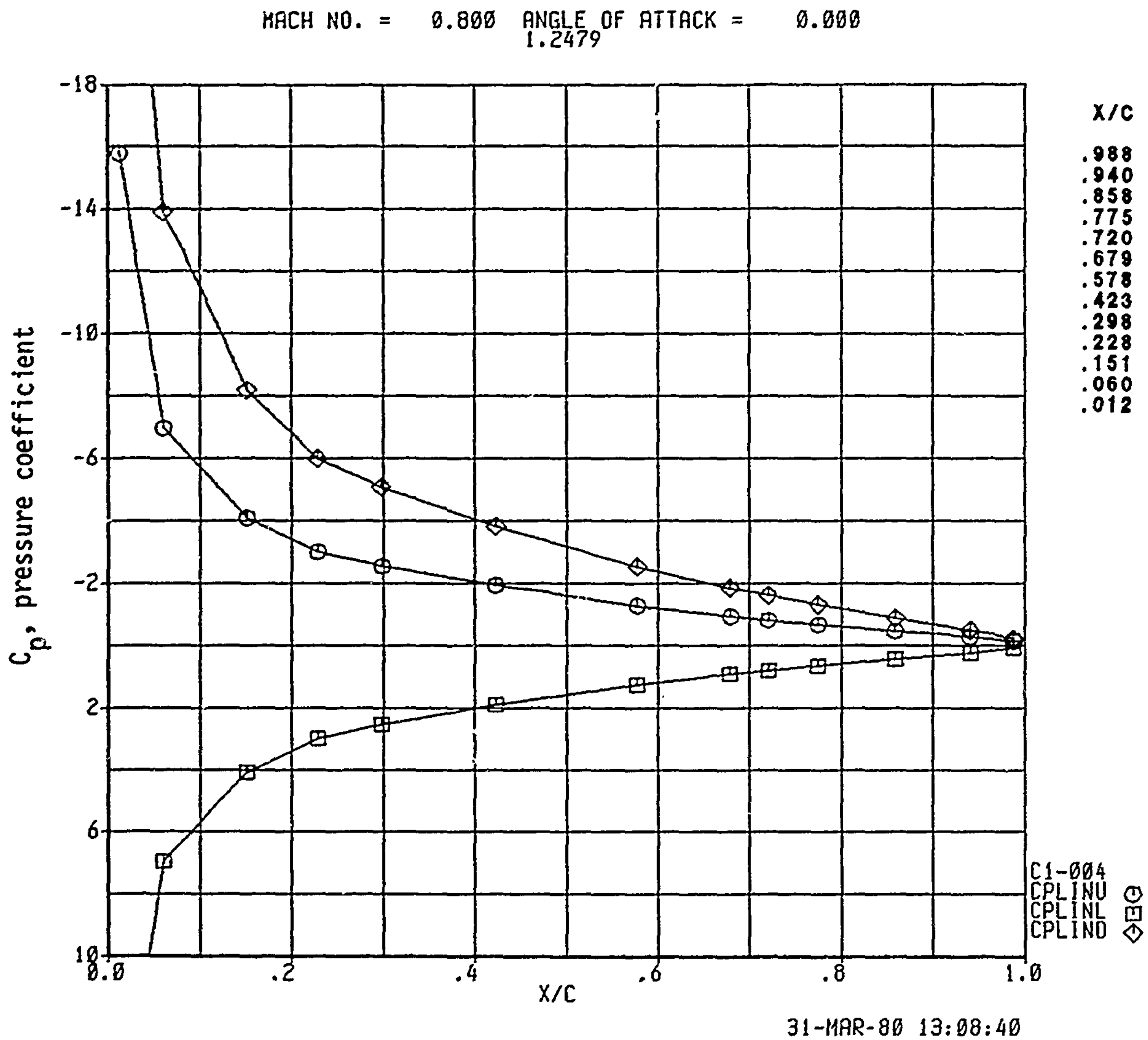
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1351 | 0.0900 | -.2252 |
| .940 | -.2724 | 0.2284 | -.5008 |
| .858 | -.4806 | 0.4399 | -.9206 |
| .775 | -.7082 | 0.6716 | -1.380 |
| .720 | -.8589 | 0.8251 | -1.684 |
| .679 | -.9788 | 0.9470 | -1.926 |
| .578 | -1.313 | 1.2856 | -2.598 |
| .423 | -1.900 | 1.8792 | -3.779 |
| .298 | -2.449 | 2.4324 | -4.881 |
| .228 | -2.835 | 2.8207 | -5.656 |
| .151 | -3.784 | 3.7715 | -7.555 |
| .060 | -6.284 | 6.2745 | -12.56 |
| .012 | -14.09 | 14.084 | -28.18 |

31-MAR-80 13:07:53

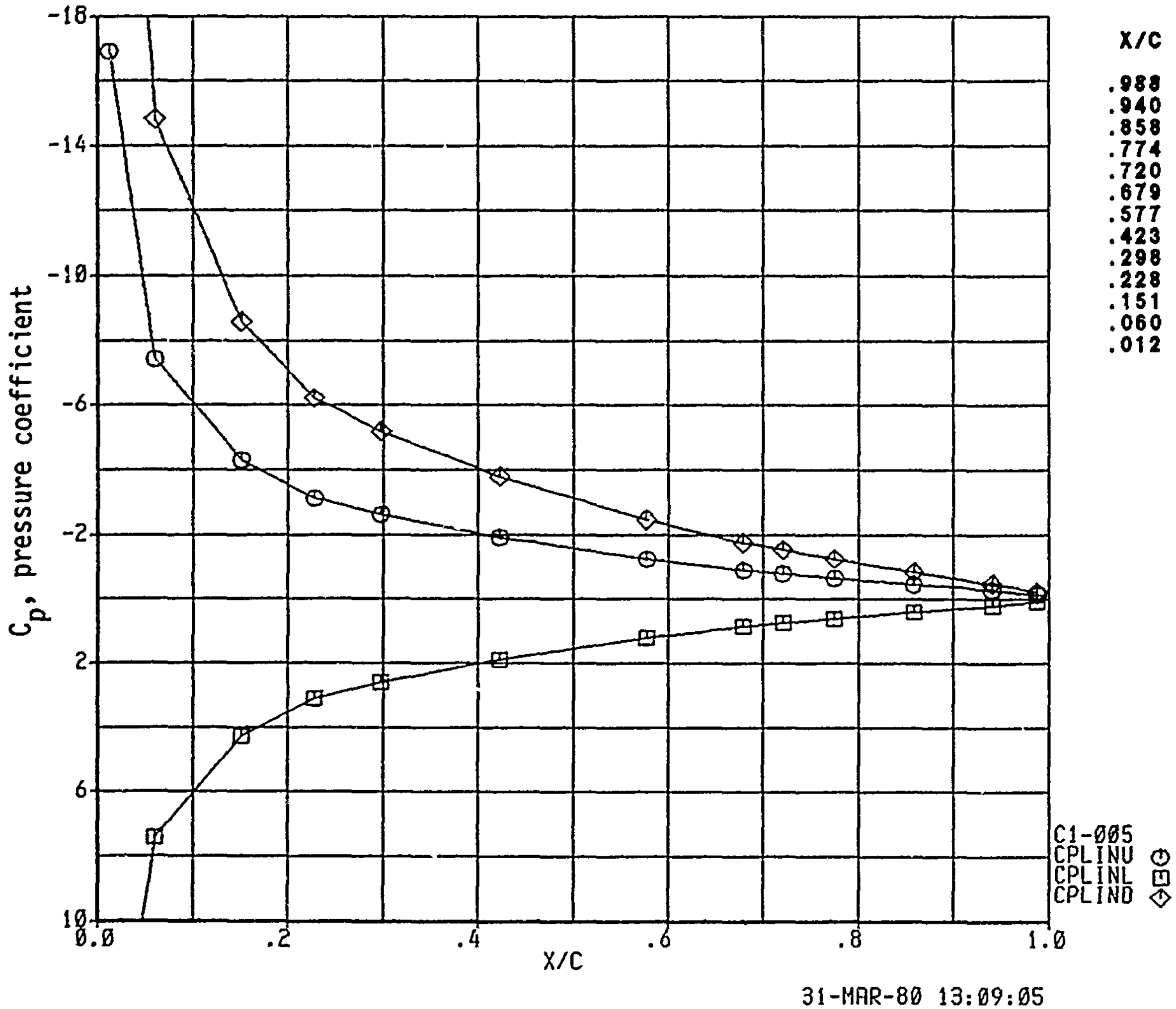
Figure 424, Chordwise Pressure Distribution, Real, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1430 | 0.0796 | -.2226 |
| .940 | -.2748 | 0.2149 | -.4897 |
| .858 | -.4699 | 0.4172 | -.8871 |
| .775 | -.6813 | 0.6360 | -1.317 |
| .720 | -.8240 | 0.7830 | -1.607 |
| .679 | -.9397 | 0.9018 | -1.842 |
| .578 | -1.283 | 1.2514 | -2.534 |
| .423 | -1.921 | 1.8972 | -3.818 |
| .298 | -2.553 | 2.5333 | -5.086 |
| .228 | -3.007 | 2.9902 | -5.997 |
| .151 | -4.094 | 4.0791 | -8.173 |
| .060 | -6.964 | 6.9518 | -13.92 |
| .012 | -15.79 | 15.775 | -31.56 |

Figure 425, Chordwise Pressure Distribution, Real, Configuration 4

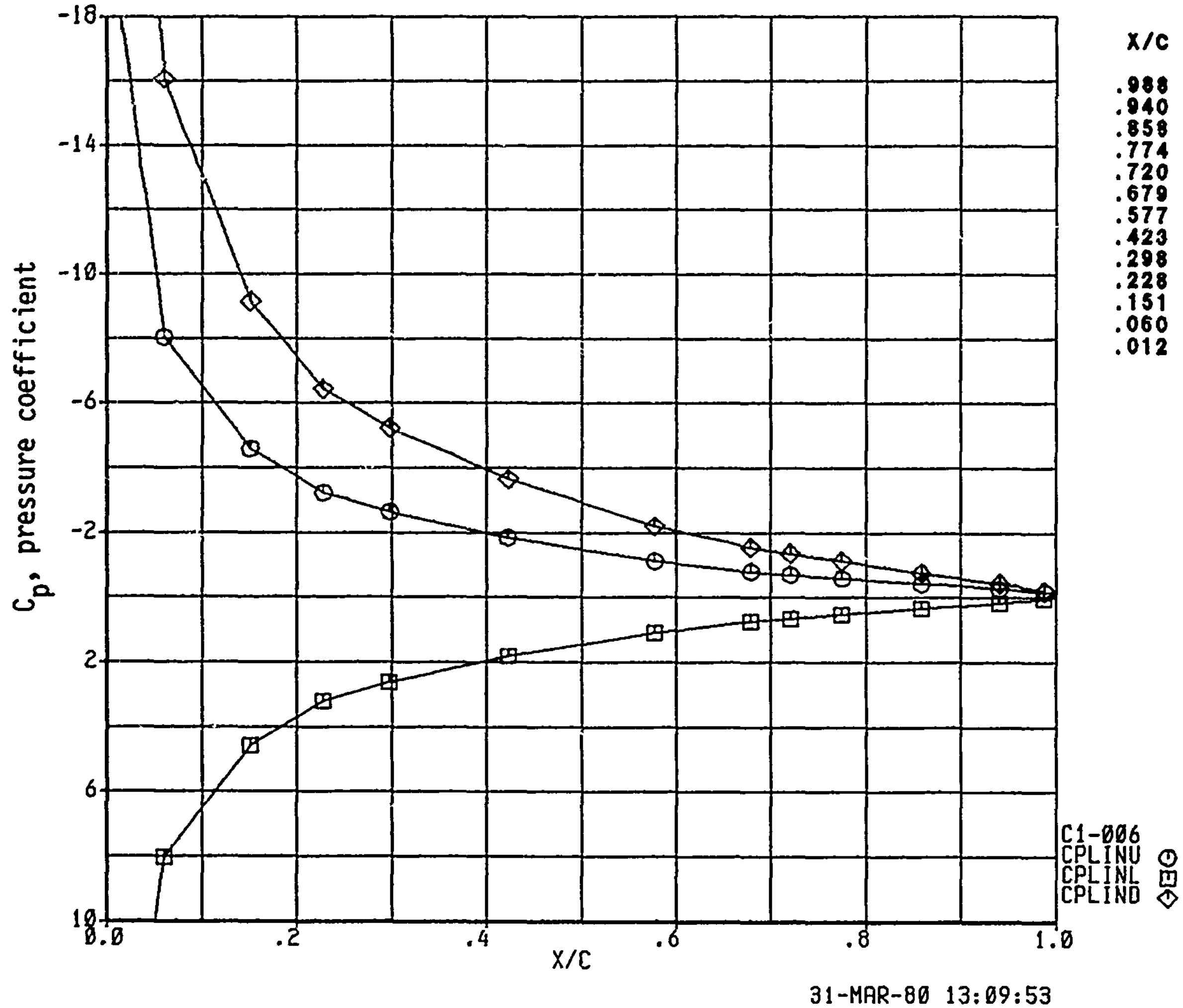
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1495 | 0.0675 | -.2170 |
| .940 | -.2740 | 0.1990 | -.4730 |
| .858 | -.4564 | 0.3932 | -.8497 |
| .774 | -.6523 | 0.5998 | -1.252 |
| .720 | -.7845 | 0.7378 | -1.522 |
| .679 | -.8938 | 0.8510 | -1.745 |
| .577 | -1.238 | 1.2031 | -2.441 |
| .423 | -1.916 | 1.8893 | -3.805 |
| .298 | -2.608 | 2.5870 | -5.195 |
| .228 | -3.115 | 3.0955 | -6.210 |
| .151 | -4.300 | 4.2831 | -8.583 |
| .060 | -7.423 | 7.4090 | -14.83 |
| .012 | -16.91 | 16.901 | -33.81 |

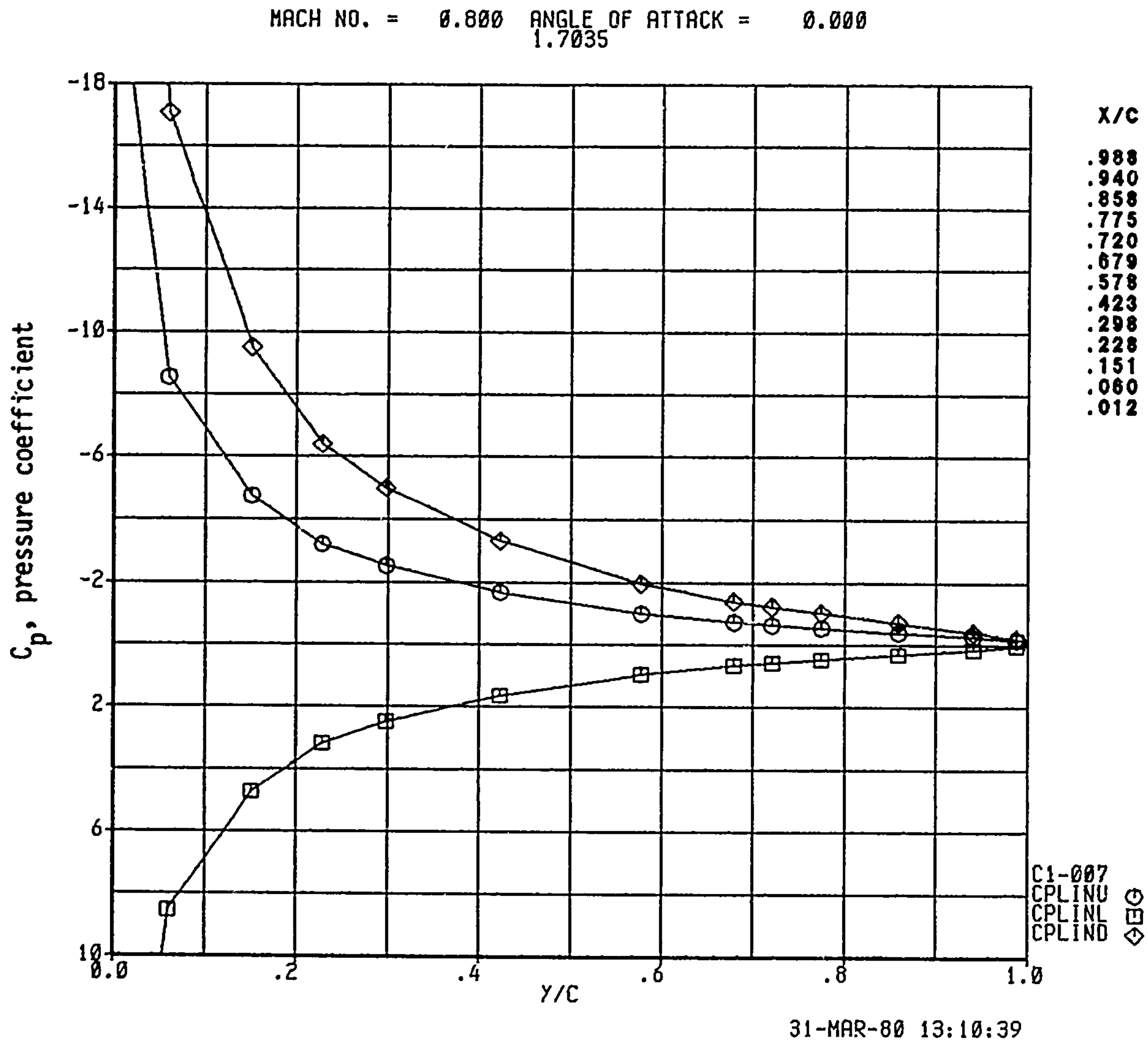
Figure 426, Chordwise Pressure Distribution, Real, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1592 | 0.0428 | -.2020 |
| .940 | -.2694 | 0.1684 | -.4379 |
| .858 | -.4270 | 0.3474 | -.7746 |
| .774 | -.5958 | 0.5325 | -1.128 |
| .720 | -.7073 | 0.6524 | -1.360 |
| .679 | -.8005 | 0.7507 | -1.551 |
| .577 | -1.119 | 1.0796 | -2.199 |
| .423 | -1.838 | 1.8083 | -3.646 |
| .298 | -2.632 | 2.6073 | -5.239 |
| .228 | -3.227 | 3.2049 | -6.432 |
| .151 | -4.584 | 4.5650 | -9.149 |
| .060 | -8.040 | 8.0235 | -16.06 |
| .012 | -18.40 | 18.385 | -36.79 |

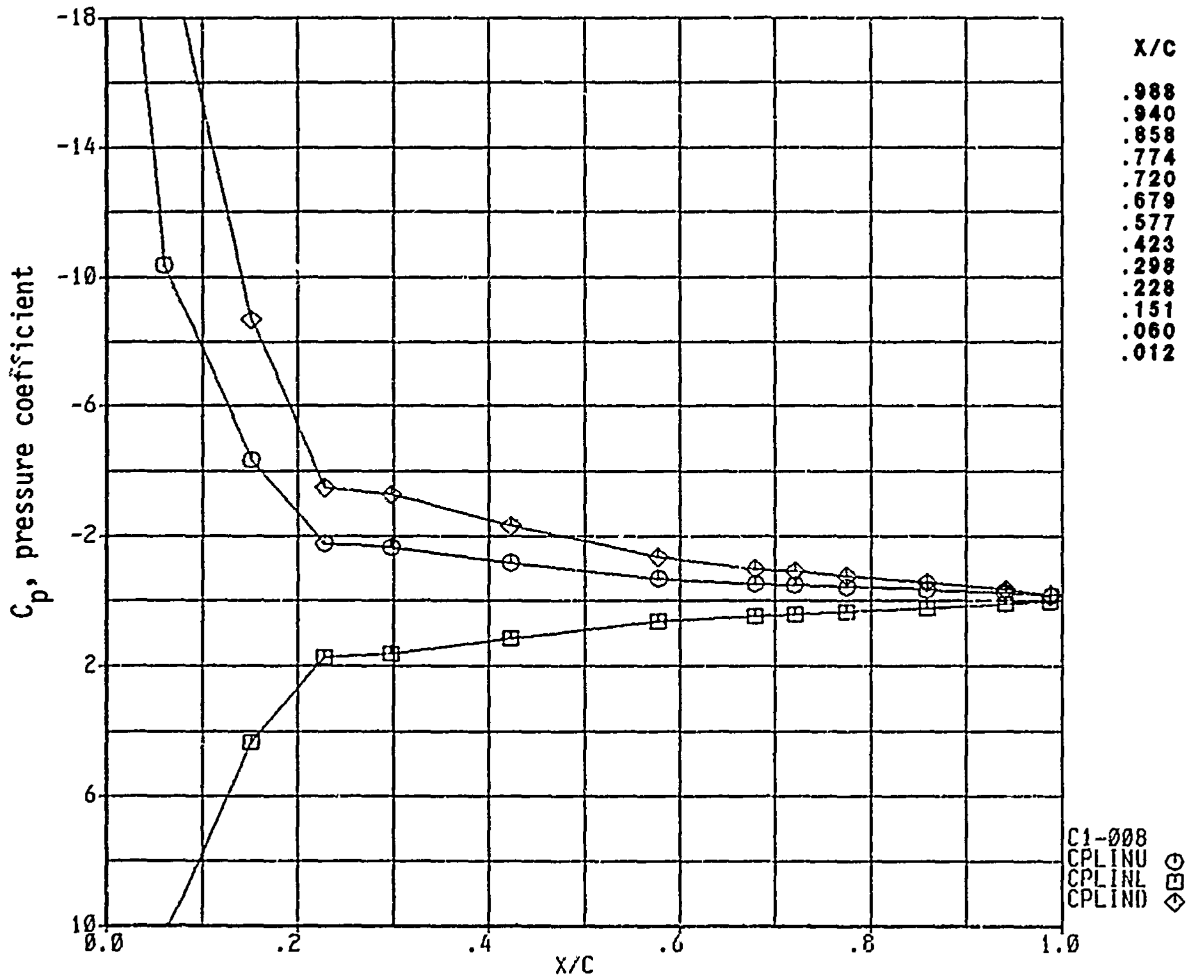
Figure 427, Chordwise Pressure Distribution, Real, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1653 | 0.0228 | -.1881 |
| .940 | -.2627 | 0.1429 | -.4057 |
| .858 | -.3986 | 0.3086 | -.7072 |
| .775 | -.5445 | 0.4750 | -1.020 |
| .720 | -.6399 | 0.5800 | -1.220 |
| .679 | -.7198 | 0.6659 | -1.386 |
| .578 | -.9996 | 0.9571 | -1.957 |
| .423 | -1.681 | 1.6488 | -3.329 |
| .298 | -2.516 | 2.4901 | -5.006 |
| .228 | -3.210 | 3.1868 | -6.397 |
| .151 | -4.758 | 4.7368 | -9.495 |
| .060 | -8.550 | 8.5308 | -17.08 |
| .012 | -19.51 | 19.490 | -39.00 |

Figure 428, Chordwise Pressure Distribution, Real, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.9021

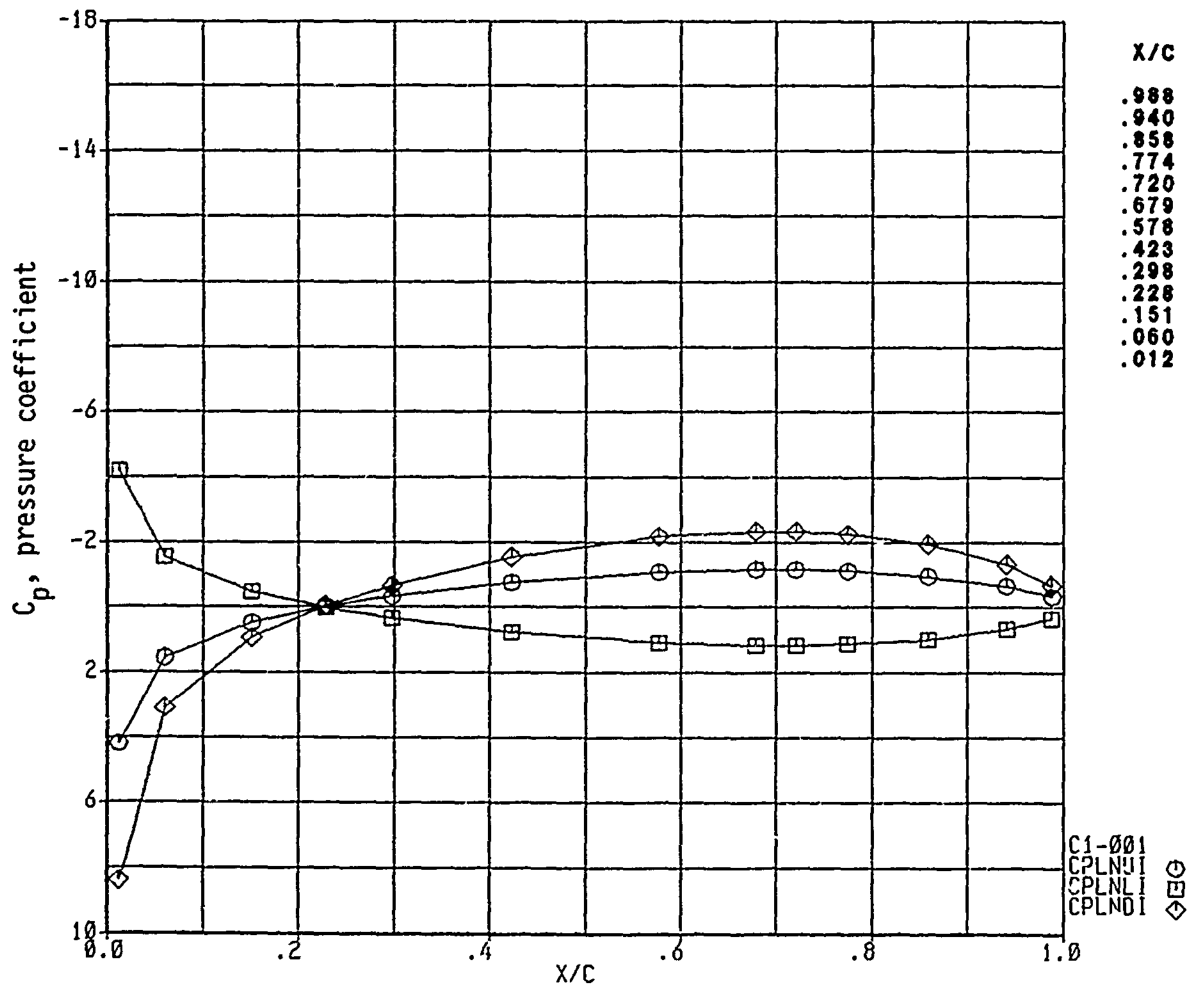



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1715 | 0.0044 | -.1759 |
| .940 | -.2395 | 0.1042 | -.3437 |
| .858 | -.3292 | 0.2307 | -.5598 |
| .774 | -.4250 | 0.3492 | -.7742 |
| .720 | -.4886 | 0.4236 | -.9121 |
| .679 | -.5207 | 0.4624 | -.9831 |
| .577 | -.6923 | 0.6463 | -1.339 |
| .423 | -1.169 | 1.1342 | -2.303 |
| .298 | -1.647 | 1.6183 | -3.266 |
| .228 | -1.759 | 1.7320 | -3.491 |
| .151 | -4.350 | 4.3254 | -8.675 |
| .060 | -10.38 | 10.356 | -20.73 |
| .012 | -25.27 | 25.253 | -50.53 |

31-MAR-80 11:13:08

Figure 429, Chordwise Pressure Distribution, Real, Configuration 4

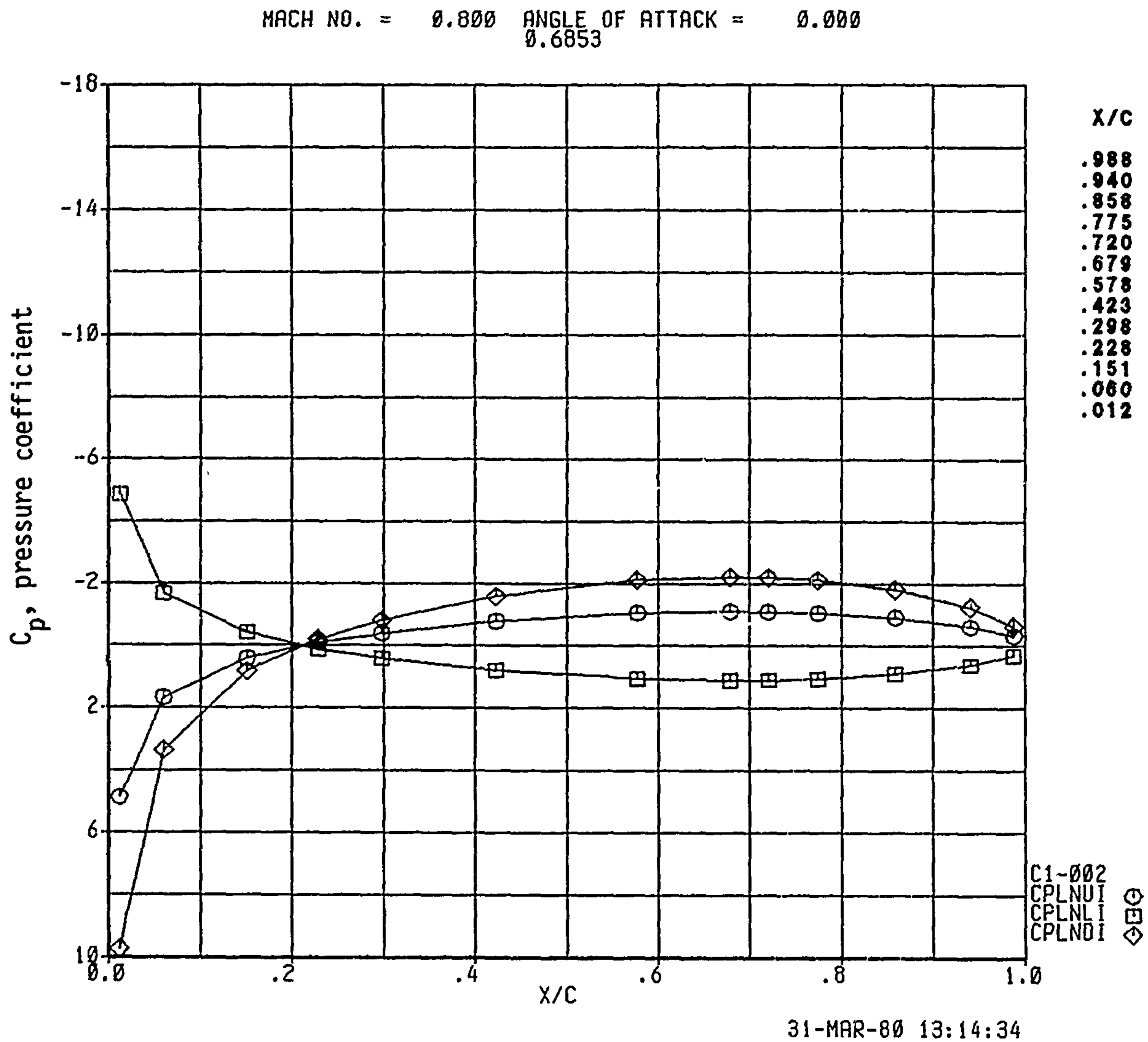
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3372 | 0.3384 | -.6756 |
| .940 | -.6629 | 0.6657 | -1.329 |
| .858 | -.9634 | 0.9689 | -1.932 |
| .774 | -1.124 | 1.1317 | -2.255 |
| .720 | -1.157 | 1.1666 | -2.324 |
| .679 | -1.159 | 1.1692 | -2.328 |
| .578 | -1.081 | 1.0928 | -2.174 |
| .423 | -.7630 | 0.7768 | -1.540 |
| .298 | -.3280 | 0.3424 | -.6705 |
| .228 | -.0154 | 0.0299 | -.0452 |
| .151 | 0.4733 | -.4589 | 0.9323 |
| .060 | 1.5538 | -1.540 | 3.0937 |
| .012 | 4.1967 | -4.183 | 8.3798 |

31-MAR-80 13:14:16

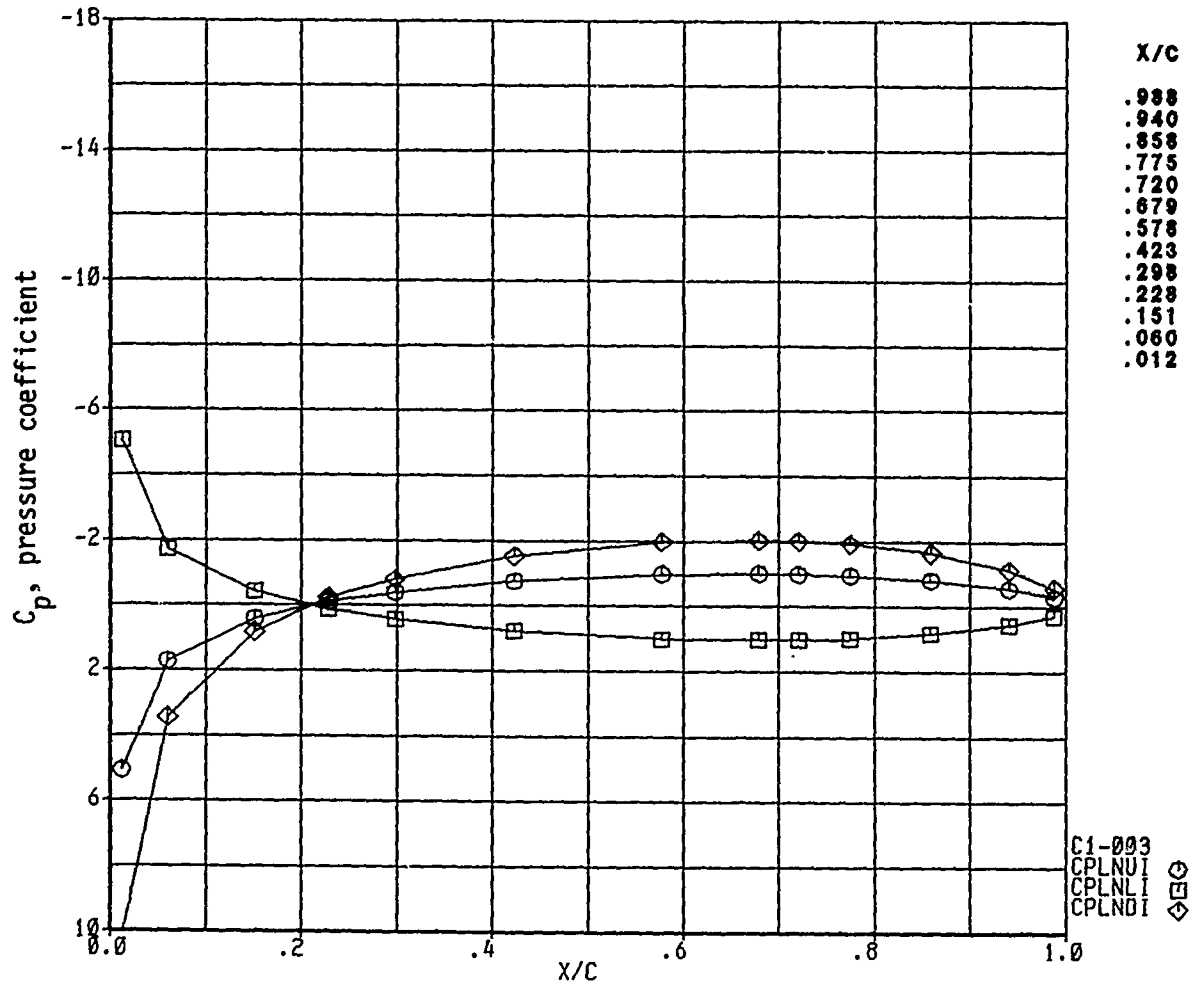
Figure 430, Chordwise Pressure Distribution, Imaginary, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3167 | 0.3185 | -.6352 |
| .940 | -.6205 | 0.6239 | -1.244 |
| .858 | -.9004 | 0.9064 | -1.807 |
| .775 | -1.053 | 1.0607 | -2.113 |
| .720 | -1.091 | 1.1006 | -2.192 |
| .679 | -1.100 | 1.1107 | -2.211 |
| .578 | -1.050 | 1.0614 | -2.111 |
| .423 | -.7871 | 0.8004 | -1.587 |
| .298 | -.3945 | 0.4086 | -.8031 |
| .228 | -.0930 | 0.1073 | -.2002 |
| .151 | 0.4250 | -.4107 | 0.8357 |
| .060 | 1.6822 | -1.668 | 3.3503 |
| .012 | 4.8786 | -4.865 | 9.7432 |

Figure 431, Chordwise Pressure Distribution, Imaginary, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968

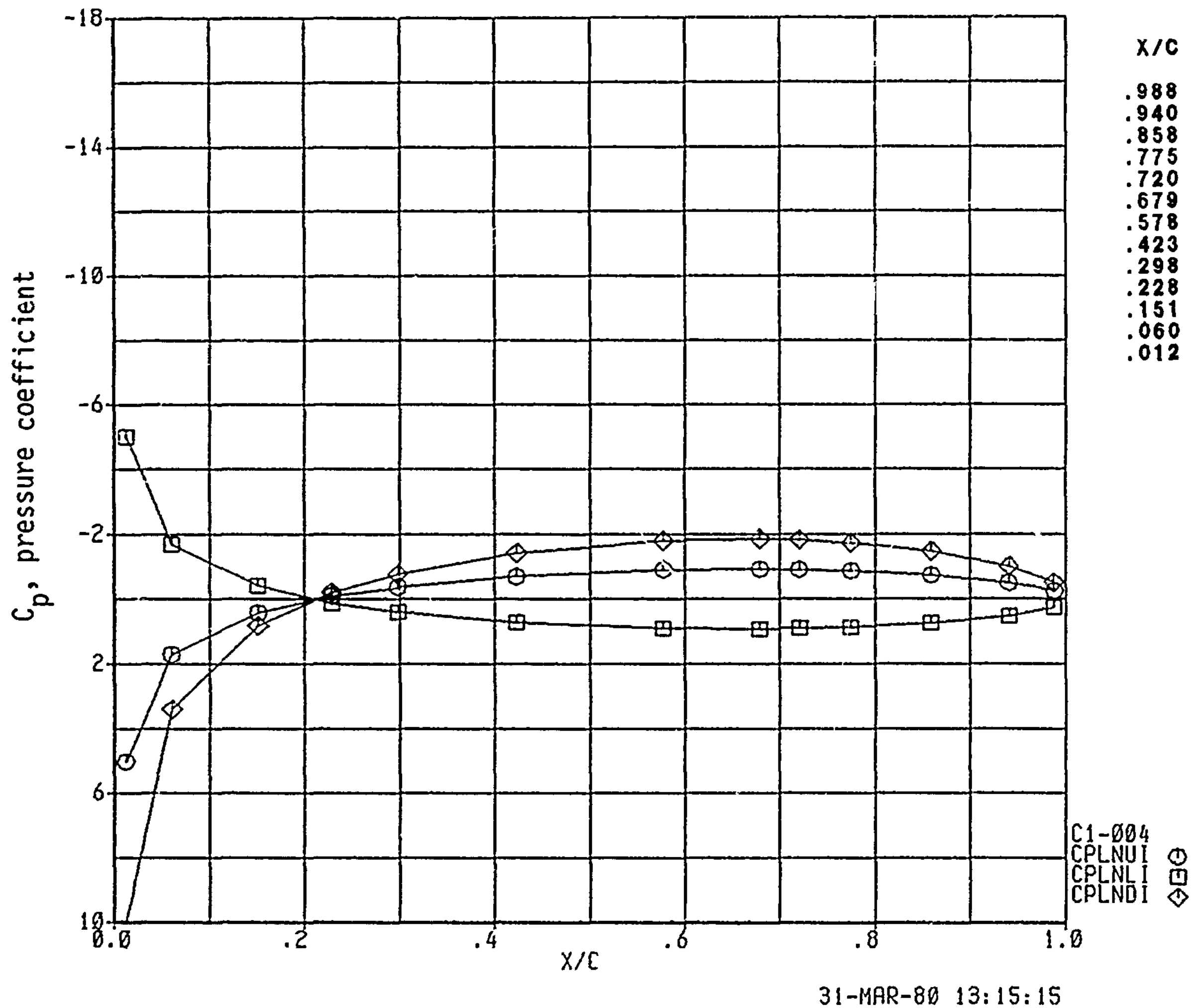



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2358 | 0.2889 | -.5747 |
| .940 | -.5609 | 0.5656 | -1.127 |
| .858 | -.8164 | 0.8235 | -1.640 |
| .775 | -.9592 | 0.9681 | -1.927 |
| .720 | -.9993 | 1.0092 | -2.009 |
| .679 | -1.012 | 1.0228 | -2.035 |
| .578 | -.9791 | 0.9908 | -1.970 |
| .423 | -.7560 | 0.7689 | -1.525 |
| .298 | -.3955 | 0.4091 | -.8046 |
| .228 | -.1057 | 0.1195 | -.2253 |
| .151 | 0.4165 | -.4026 | 0.8190 |
| .060 | 1.7226 | -1.709 | 3.4313 |
| .012 | 5.0667 | -5.053 | 10.120 |

31-MAR-80 13:14:55

Figure 432, Chordwise Pressure Distribution, Imaginary, Configuration 4

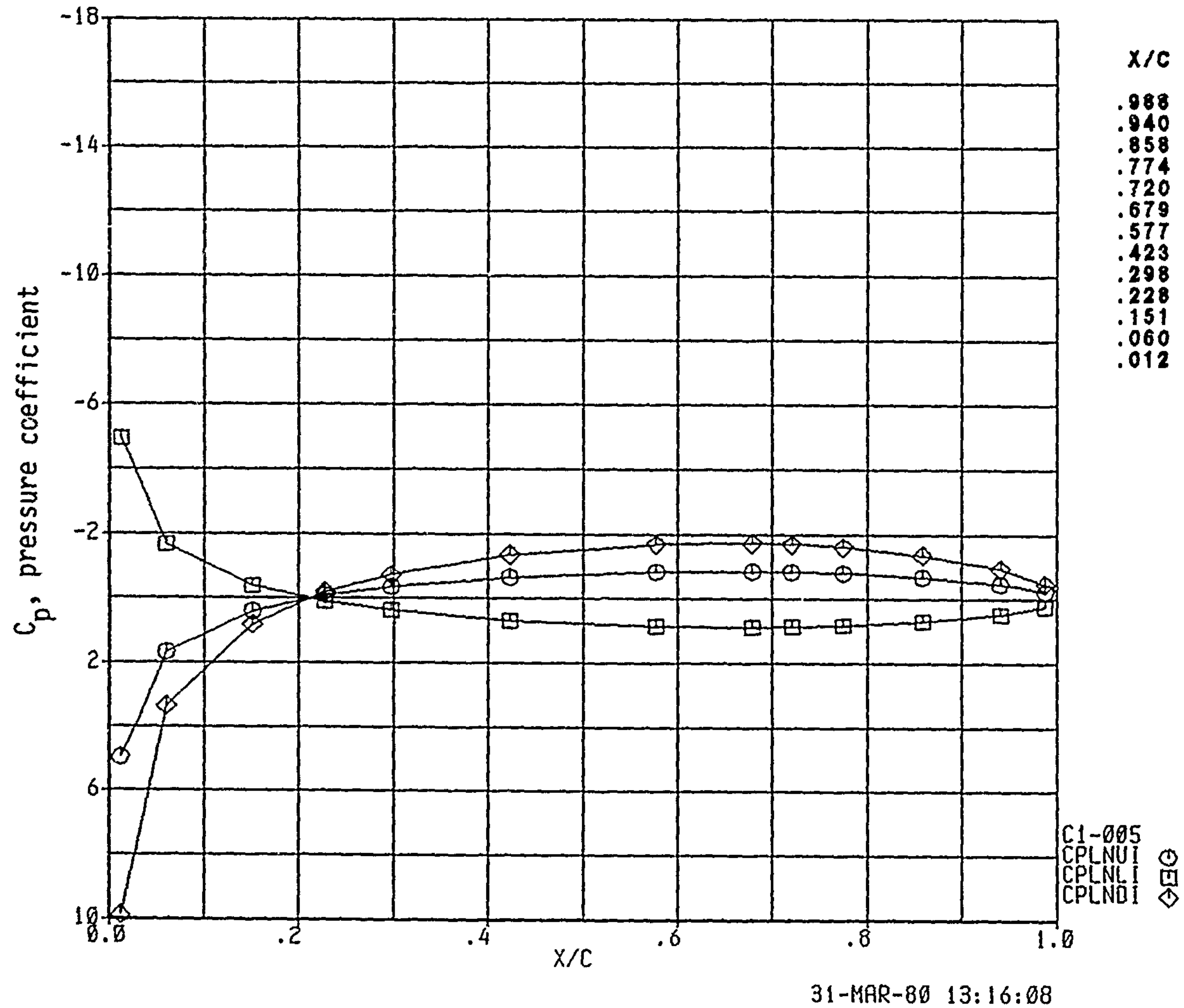
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2550 | 0.2607 | -.5156 |
| .940 | -.5015 | 0.5087 | -1.010 |
| .858 | -.7320 | 0.7410 | -1.473 |
| .775 | -.8658 | 0.8761 | -1.742 |
| .720 | -.9060 | 0.9168 | -1.823 |
| .679 | -.9207 | 0.9319 | -1.853 |
| .578 | -.8989 | 0.9107 | -1.809 |
| .423 | -.7062 | 0.7188 | -1.425 |
| .298 | -.3730 | 0.3861 | -.7591 |
| .228 | -.0954 | 0.1086 | -.2039 |
| .151 | 0.4141 | -.4007 | 0.8149 |
| .060 | 1.7067 | -1.693 | 3.3999 |
| .012 | 5.0286 | -5.015 | 10.043 |

Figure 433, Chordwise Pressure Distribution, Imaginary, Configuration 4

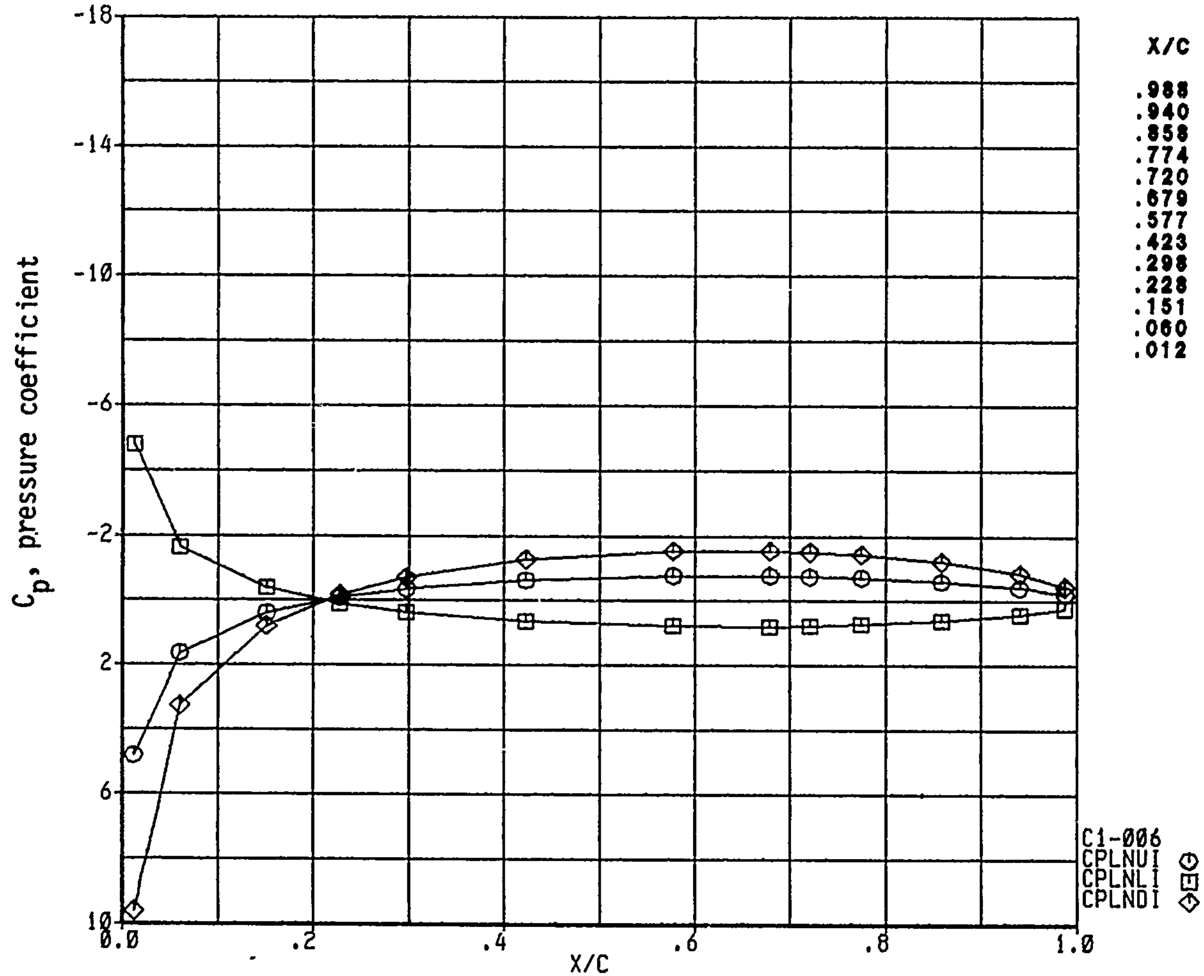
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2339 | 0.2427 | -.4766 |
| .940 | -.4604 | 0.4702 | -.9306 |
| .858 | -.6729 | 0.6839 | -1.357 |
| .774 | -.8008 | 0.8123 | -1.613 |
| .720 | -.8403 | 0.8519 | -1.692 |
| .679 | -.8561 | 0.8678 | -1.724 |
| .577 | -.8418 | 0.8537 | -1.695 |
| .423 | -.6698 | 0.6821 | -1.352 |
| .298 | -.3565 | 0.3692 | -.7258 |
| .228 | -.0886 | 0.1014 | -.1900 |
| .151 | 0.4106 | -.3976 | 0.8082 |
| .060 | 1.6851 | -1.672 | 3.3572 |
| .012 | 4.9543 | -4.941 | 9.8953 |

Figure 434, Chordwise Pressure Distribution, Imaginary, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.5906

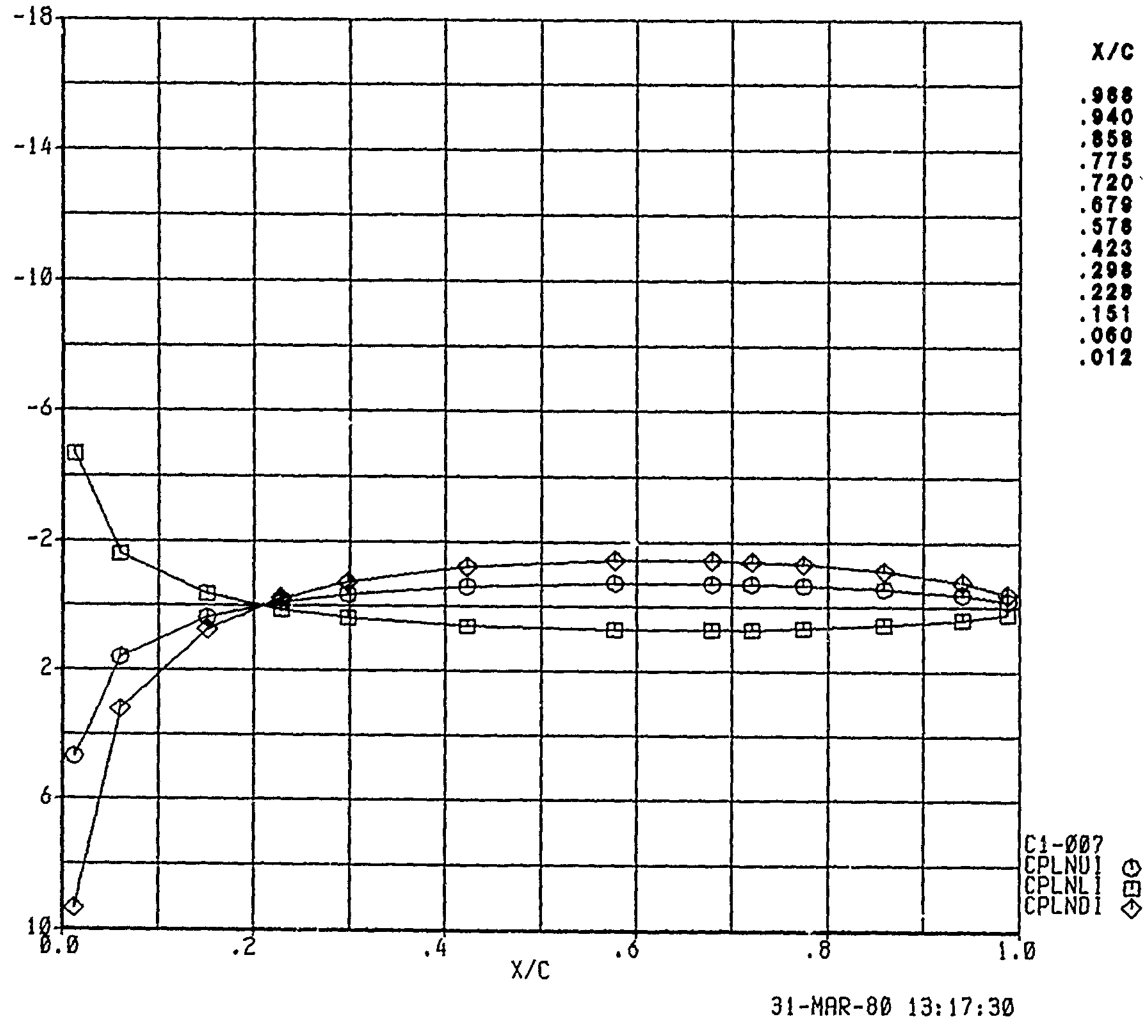



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2042 | 0.2193 | -.4235 |
| .940 | -.4060 | 0.4208 | -.8269 |
| .858 | -.5953 | 0.6094 | -1.205 |
| .774 | -.7124 | 0.7255 | -1.438 |
| .720 | -.7503 | 0.7631 | -1.513 |
| .679 | -.7675 | 0.7800 | -1.548 |
| .577 | -.7658 | 0.7779 | -1.544 |
| .423 | -.6279 | 0.6398 | -1.268 |
| .298 | -.3427 | 0.3549 | -.6976 |
| .228 | -.0877 | 0.0999 | -.1877 |
| .151 | 0.3987 | -.3864 | 0.7850 |
| .060 | 1.6417 | -1.629 | 3.2709 |
| .012 | 4.8097 | -4.797 | 9.6068 |

31-MAR-80 13:17:10

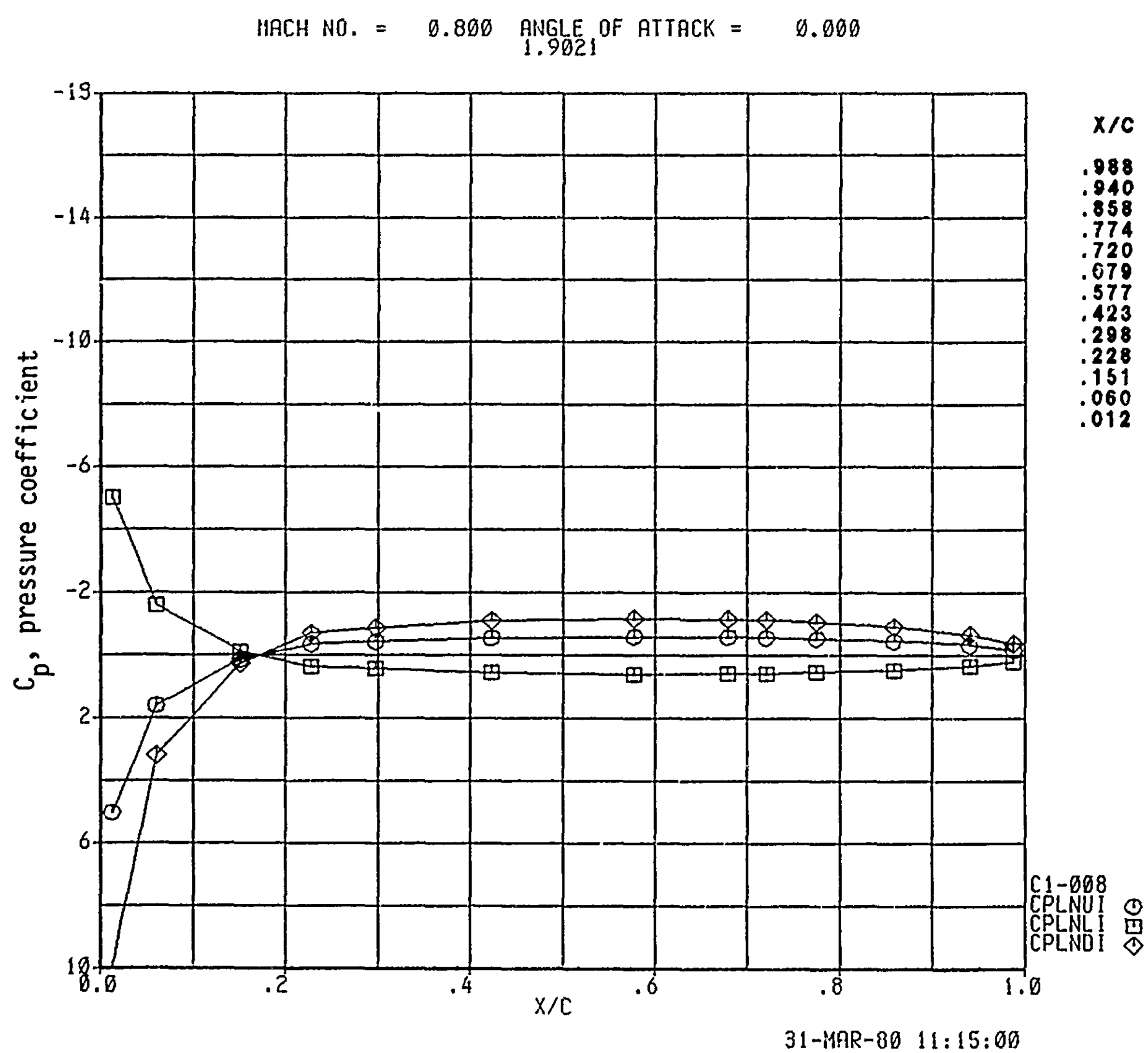
Figure 435, Chordwise Pressure Distribution, Imaginary, Configuration 4

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1826 | 0.2030 | -.3856 |
| .940 | -.3699 | 0.3885 | -.7584 |
| .858 | -.5452 | 0.5612 | -1.107 |
| .775 | -.6495 | 0.6636 | -1.313 |
| .720 | -.6852 | 0.6984 | -1.384 |
| .679 | -.7028 | 0.7156 | -1.418 |
| .578 | -.7095 | 0.7215 | -1.431 |
| .423 | -.6047 | 0.6162 | -1.221 |
| .298 | -.3534 | 0.3649 | -.7183 |
| .228 | -.1083 | 0.1199 | -.2283 |
| .151 | 0.3759 | -.3640 | 0.7399 |
| .060 | 1.6119 | -1.600 | 3.2119 |
| .012 | 4.6891 | -4.677 | 9.3662 |

Figure 436, Chordwise Pressure Distribution, Imaginary, Configuration 4




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1754 | 0.2006 | -.3759 |
| .940 | -.3234 | 0.3445 | -.6679 |
| .858 | -.4501 | 0.4665 | -.9165 |
| .774 | -.5279 | 0.5415 | -1.069 |
| .720 | -.5551 | 0.5675 | -1.123 |
| .679 | -.5678 | 0.5796 | -1.147 |
| .577 | -.5829 | 0.5937 | -1.177 |
| .423 | -.5434 | 0.5536 | -1.097 |
| .298 | -.4262 | 0.4364 | -.8626 |
| .228 | -.3440 | 0.3544 | -.6983 |
| .151 | 0.1363 | -.1258 | 0.2621 |
| .060 | 1.6000 | -1.589 | 3.1892 |
| .012 | 5.0224 | -5.012 | 10.034 |

Figure 437, Chordwise Pressure Distribution, Imaginary, Configuration 4

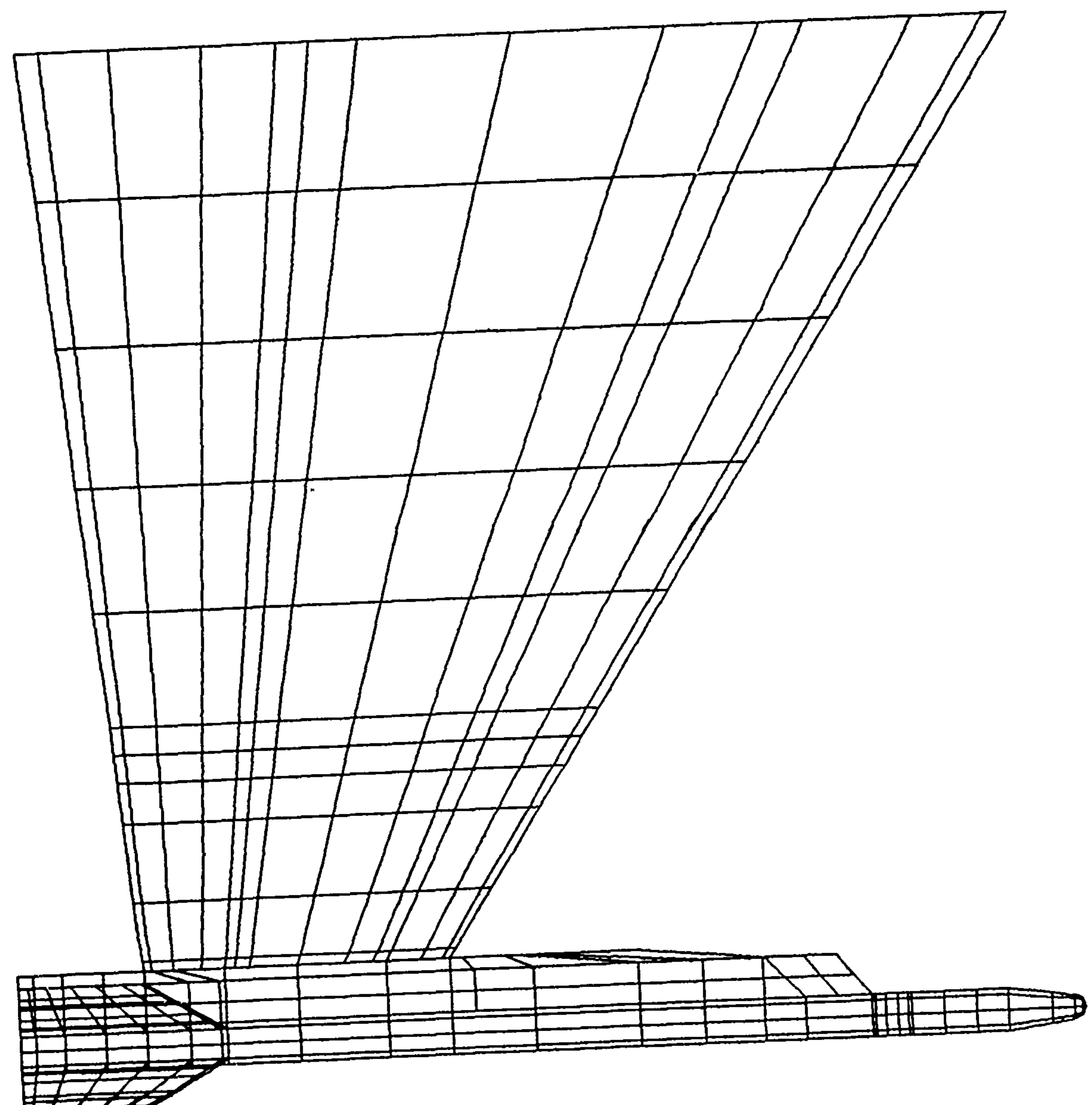
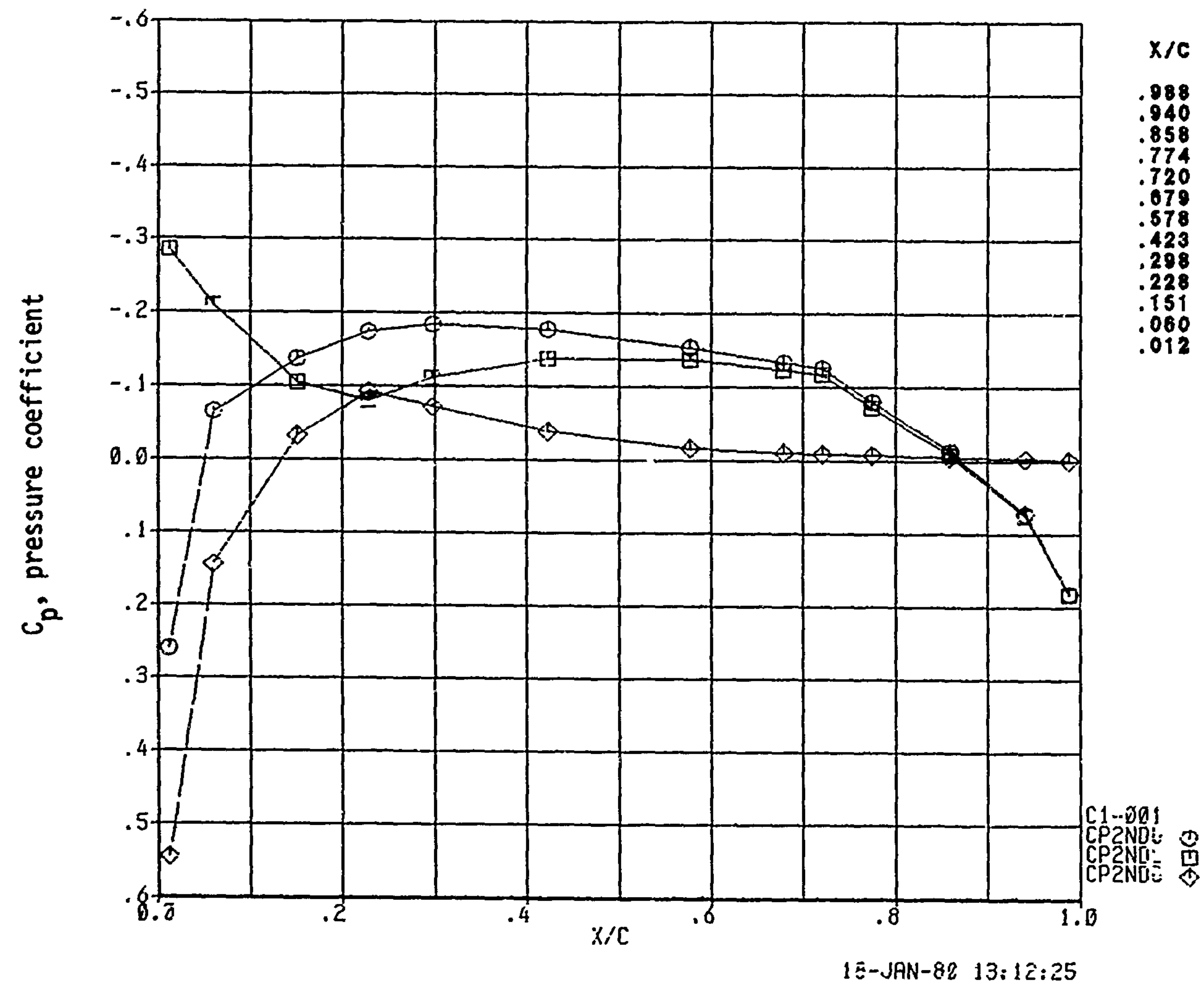


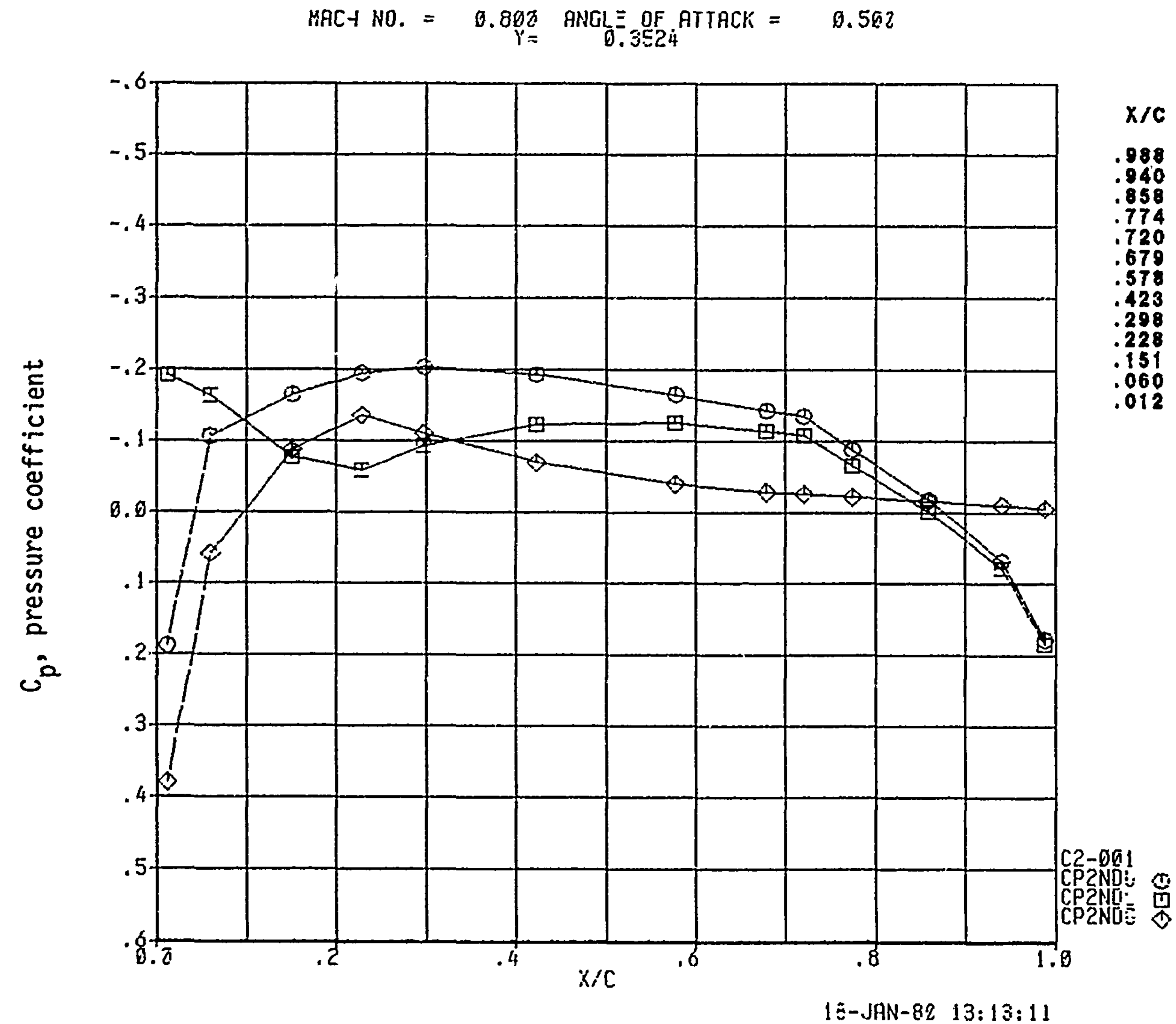
Figure 438, Configuration 5

MACH NO. = 0.302 ANGLE OF ATTACK = 0.002
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1814 | 0.1826 | -.0012 |
| .940 | 0.0715 | 0.0742 | -.0028 |
| .858 | -.0125 | -.0074 | -.0051 |
| .774 | -.0804 | -.0729 | -.0075 |
| .720 | -.1256 | -.1165 | -.0091 |
| .679 | -.1331 | -.1227 | -.0105 |
| .578 | -.1531 | -.1365 | -.0166 |
| .423 | -.1772 | -.1383 | -.0390 |
| .298 | -.1840 | -.1116 | -.0724 |
| .228 | -.1732 | -.0802 | -.0929 |
| .151 | -.1371 | -.1046 | -.0325 |
| .060 | -.0646 | -.2084 | 0.1439 |
| .012 | 0.2596 | -.2849 | 0.5444 |

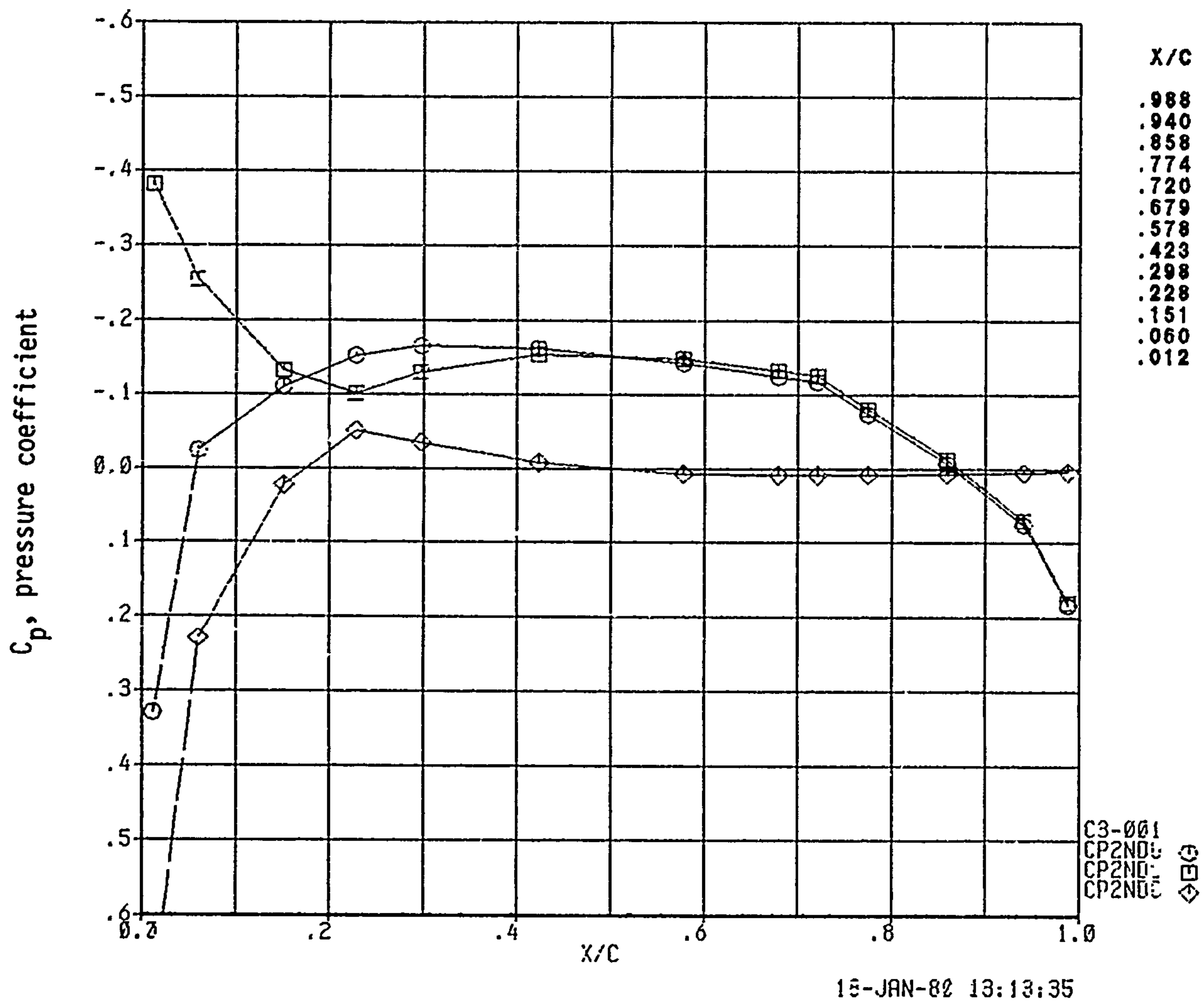
Figure 439, Chordwise Pressure Distribution, Steady, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1790 | 0.1848 | -.0059 |
| .940 | 0.0676 | 0.0779 | -.0104 |
| .858 | -.0183 | -.0017 | -.0166 |
| .774 | -.0881 | -.0654 | -.0226 |
| .720 | -.1343 | -.1081 | -.0262 |
| .679 | -.1426 | -.1136 | -.0290 |
| .578 | -.1648 | -.1251 | -.0397 |
| .423 | -.1928 | -.1230 | -.0698 |
| .298 | -.2030 | -.0930 | -.1101 |
| .228 | -.1944 | -.0591 | -.1353 |
| .151 | -.1641 | -.0771 | -.0870 |
| .060 | -.1056 | -.1638 | 0.0582 |
| .012 | 0.1875 | -.1912 | 0.3787 |

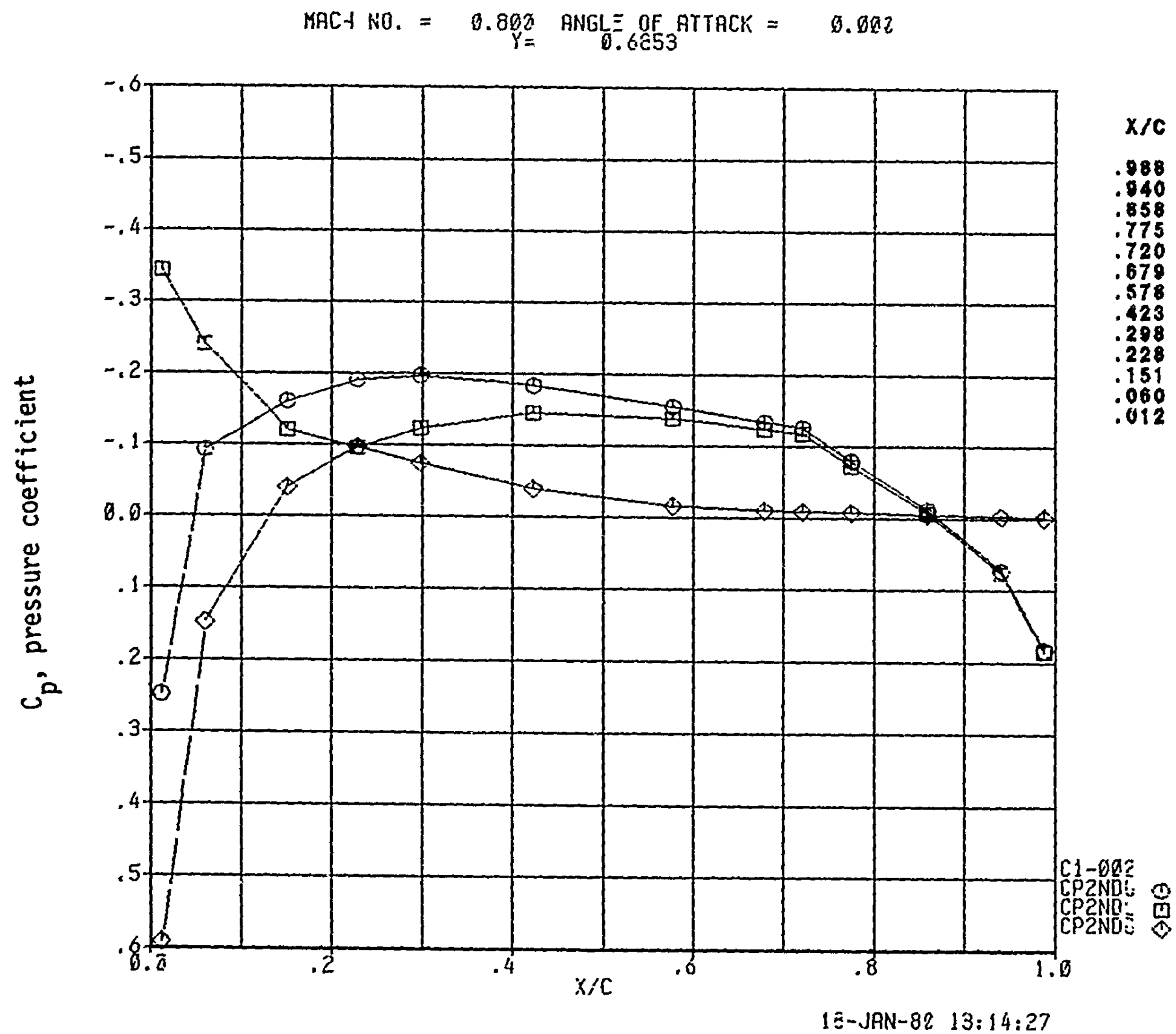
Figure 440, Chordwise Pressure Distribution, Steady, Configuration 5

MACH NO. = 0.802 ANGLE OF ATTACK = -0.502
Y= 0.3524



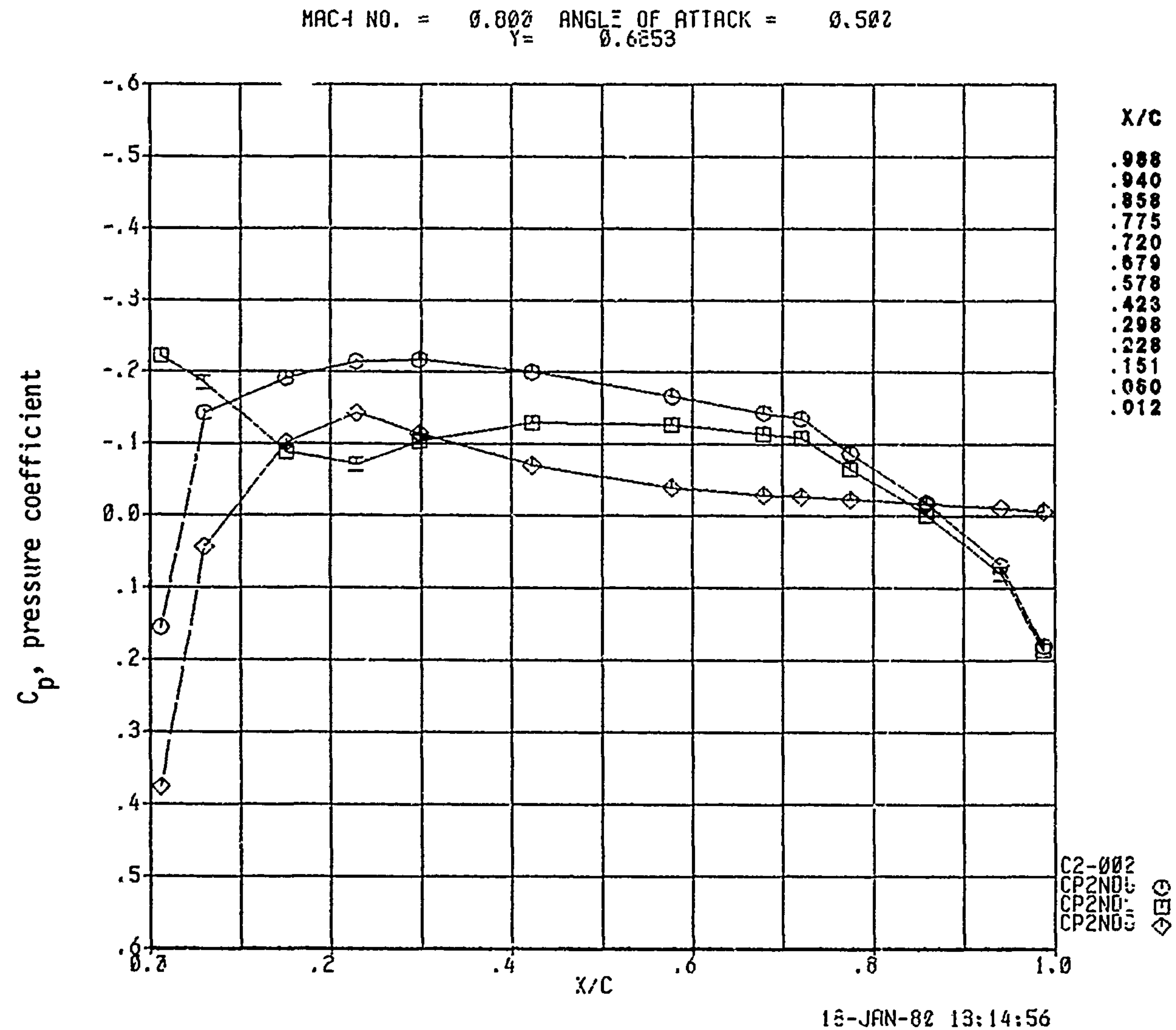

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1836 | 0.1802 | 0.0035 |
| .940 | 0.0752 | 0.0704 | 0.0049 |
| .858 | -.0068 | -.0132 | 0.0065 |
| .774 | -.0730 | -.0805 | 0.0076 |
| .720 | -.1172 | -.1252 | 0.0080 |
| .679 | -.1240 | -.1321 | 0.0082 |
| .578 | -.1417 | -.1481 | 0.0064 |
| .423 | -.1619 | -.1538 | -.0082 |
| .298 | -.1652 | -.1305 | -.0347 |
| .228 | -.1521 | -.1017 | -.0504 |
| .151 | -.1105 | -.1325 | 0.0220 |
| .060 | -.0242 | -.2537 | 0.2295 |
| .012 | 0.3284 | -.3818 | 0.7102 |

Figure 441, Chordwise Pressure Distribution, Steady, Configuration 5



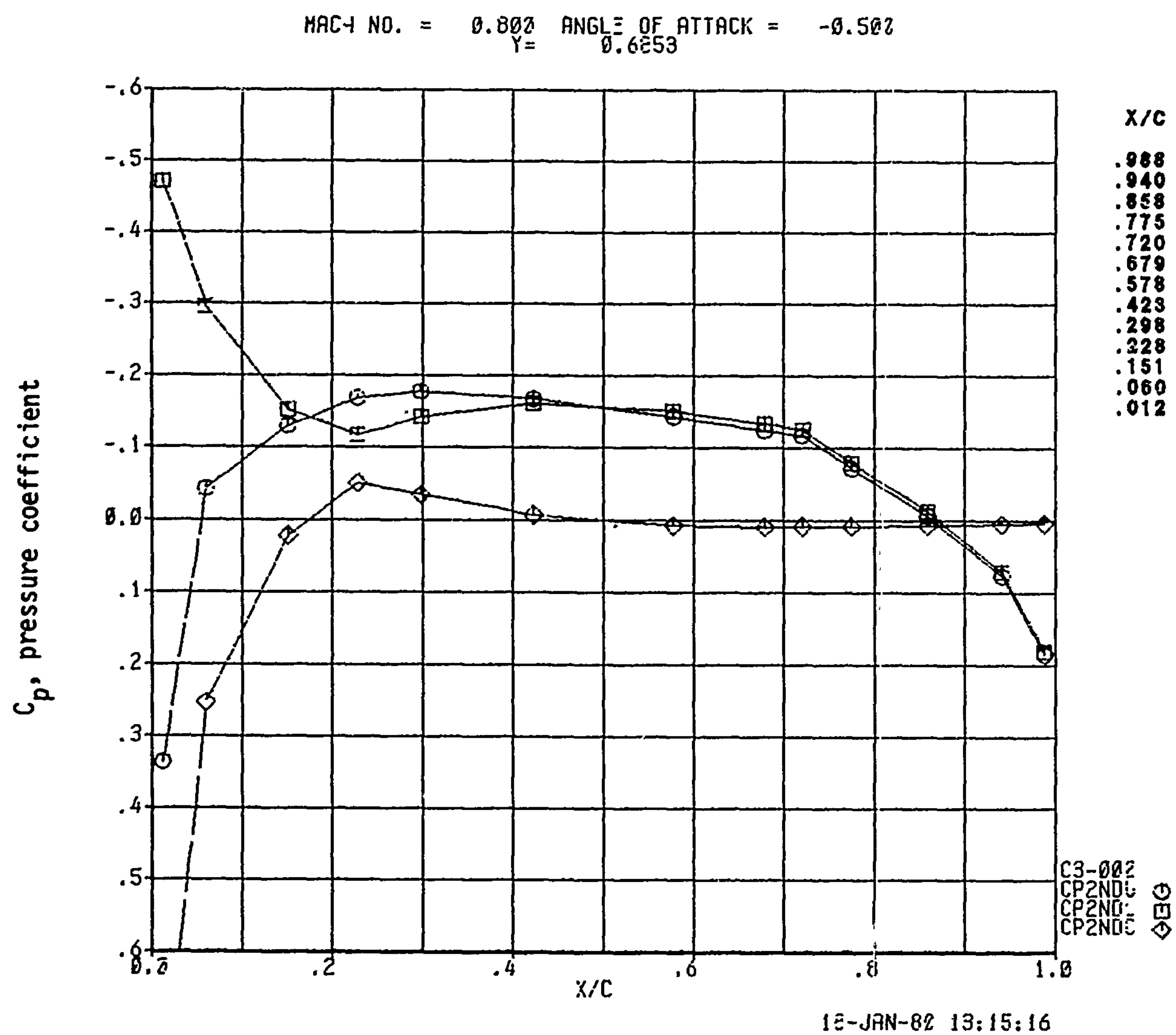

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1830 | 0.1842 | -.0012 |
| .940 | 0.0723 | 0.0751 | -.0028 |
| .858 | -.0117 | -.0067 | -.0050 |
| .775 | -.0798 | -.0724 | -.0074 |
| .720 | -.1255 | -.1165 | -.0090 |
| .679 | -.1335 | -.1232 | -.0102 |
| .578 | -.1547 | -.1384 | -.0162 |
| .423 | -.1832 | -.1445 | -.0388 |
| .298 | -.1968 | -.1230 | -.0738 |
| .228 | -.1911 | -.0947 | -.0964 |
| .151 | -.1601 | -.1202 | -.0399 |
| .060 | -.0917 | -.2399 | 0.1481 |
| .012 | 0.2478 | -.3436 | 0.5913 |

Figure 442, Chordwise Pressure Distribution, Steady, Configuration 5



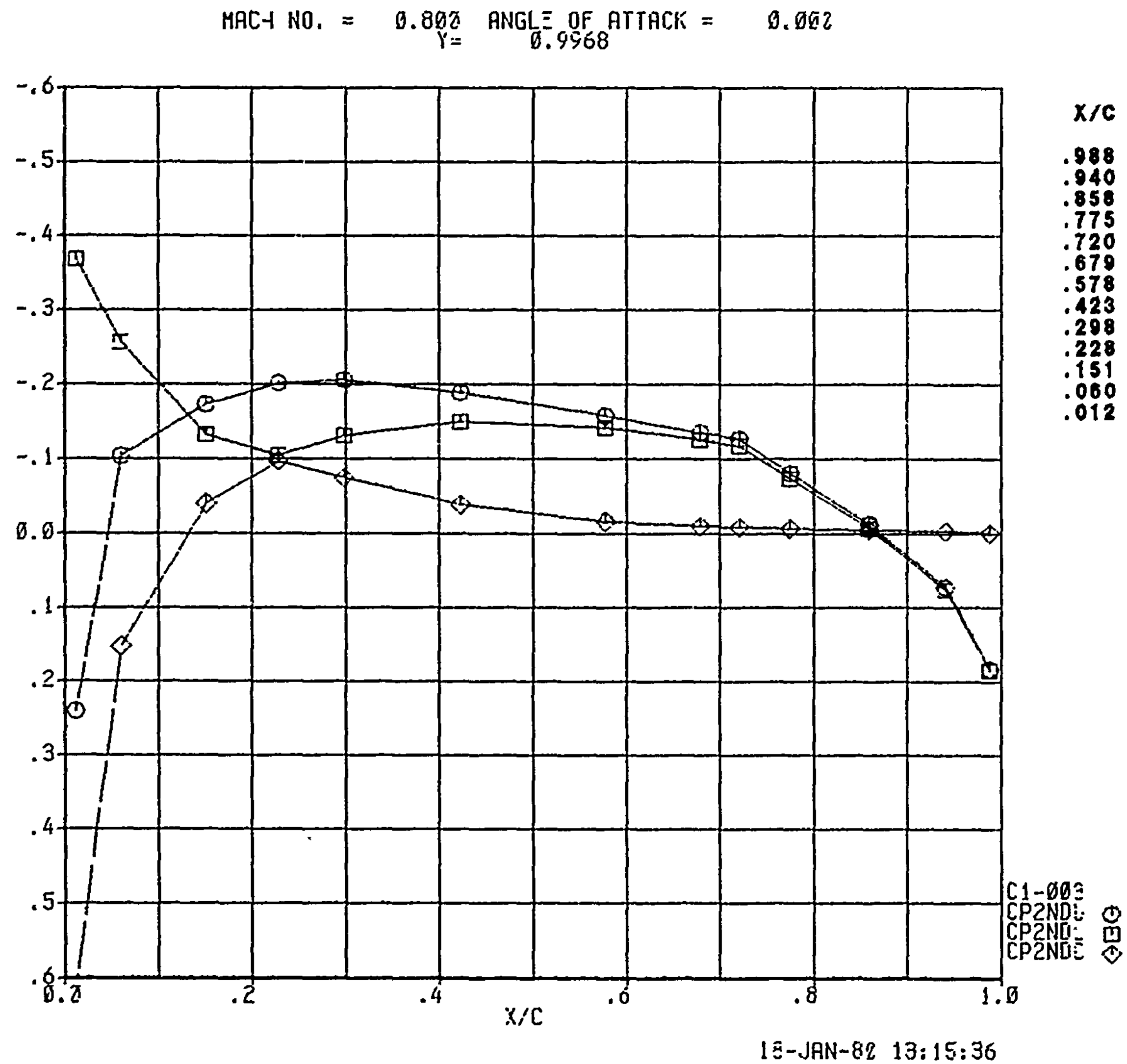

| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1805 | 0.1866 | -.0061 |
| .940 | 0.0684 | 0.0789 | -.0105 |
| .858 | -.0177 | -.0009 | -.0167 |
| .775 | -.0874 | -.0649 | -.0226 |
| .720 | -.1342 | -.1081 | -.0261 |
| .679 | -.1429 | -.1140 | -.0289 |
| .578 | -.1664 | -.1269 | -.0395 |
| .423 | -.1993 | -.1288 | -.0704 |
| .298 | -.2169 | -.1033 | -.1135 |
| .228 | -.2141 | -.0719 | -.1422 |
| .151 | -.1907 | -.0891 | -.1017 |
| .060 | -.1422 | -.1853 | 0.0432 |
| .012 | 0.1544 | -.2215 | 0.3759 |

Figure 443, Chordwise Pressure Distribution, Steady, Configuration 5



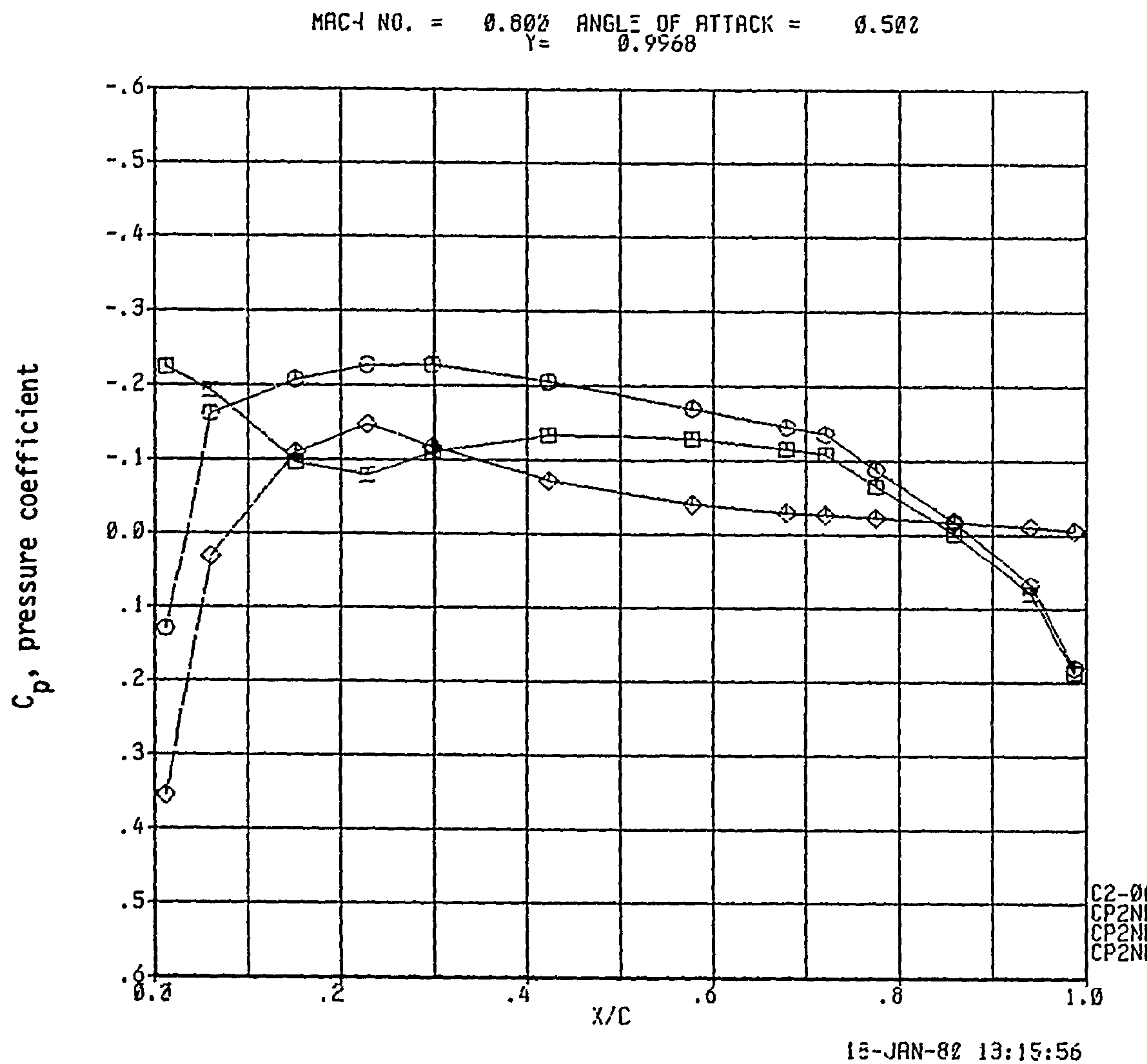

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1853 | 0.1818 | 0.0036 |
| .940 | 0.0761 | 0.0712 | 0.0050 |
| .858 | -.0060 | -.0126 | 0.0066 |
| .775 | -.0723 | -.0800 | 0.0077 |
| .720 | -.1170 | -.1252 | 0.0081 |
| .679 | -.1243 | -.1327 | 0.0084 |
| .578 | -.1431 | -.1502 | 0.0070 |
| .423 | -.1674 | -.1604 | -.0070 |
| .298 | -.1769 | -.1429 | -.0341 |
| .228 | -.1684 | -.1178 | -.0506 |
| .151 | -.1299 | -.1518 | 0.0219 |
| .060 | -.0423 | -.2955 | 0.2532 |
| .012 | 0.3358 | -.4710 | 0.8068 |

Figure 444, Chordwise Pressure Distribution, Steady, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1834 | 0.1846 | -.0012 |
| .940 | 0.0724 | 0.0752 | -.0028 |
| .858 | -.0119 | -.0069 | -.0050 |
| .775 | -.0803 | -.0730 | -.0073 |
| .720 | -.1264 | -.1174 | -.0089 |
| .679 | -.1347 | -.1245 | -.0102 |
| .578 | -.1570 | -.1408 | -.0163 |
| .423 | -.1886 | -.1496 | -.0390 |
| .298 | -.2055 | -.1313 | -.0742 |
| .228 | -.2017 | -.1049 | -.0968 |
| .151 | -.1723 | -.1320 | -.0403 |
| .060 | -.1035 | -.2559 | 0.1524 |
| .012 | 0.2401 | -.3670 | 0.6071 |

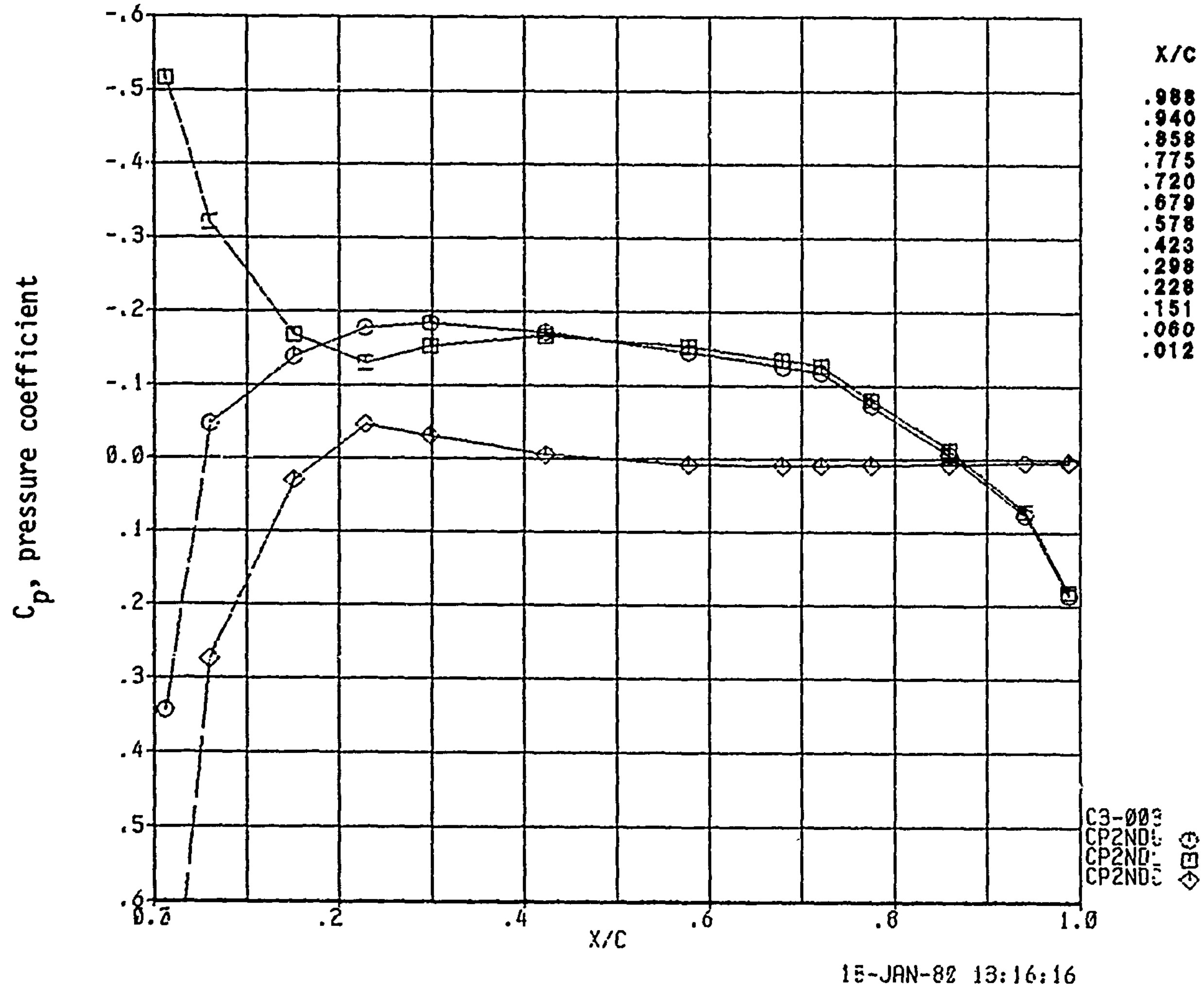
Figure 445, Chordwise Pressure Distribution, Steady, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1808 | 0.1870 | -.0062 |
| .940 | 0.0684 | 0.0791 | -.0108 |
| .858 | -.0179 | -.0010 | -.0169 |
| .775 | -.0881 | -.0653 | -.0228 |
| .720 | -.1353 | -.1088 | -.0265 |
| .679 | -.1444 | -.1150 | -.0293 |
| .578 | -.1692 | -.1289 | -.0403 |
| .423 | -.2055 | -.1331 | -.0724 |
| .298 | -.2273 | -.1101 | -.1172 |
| .228 | -.2270 | -.0800 | -.1470 |
| .151 | -.2069 | -.0972 | -.1098 |
| .060 | -.1622 | -.1929 | 0.0308 |
| .012 | 0.1299 | -.2239 | 0.3539 |

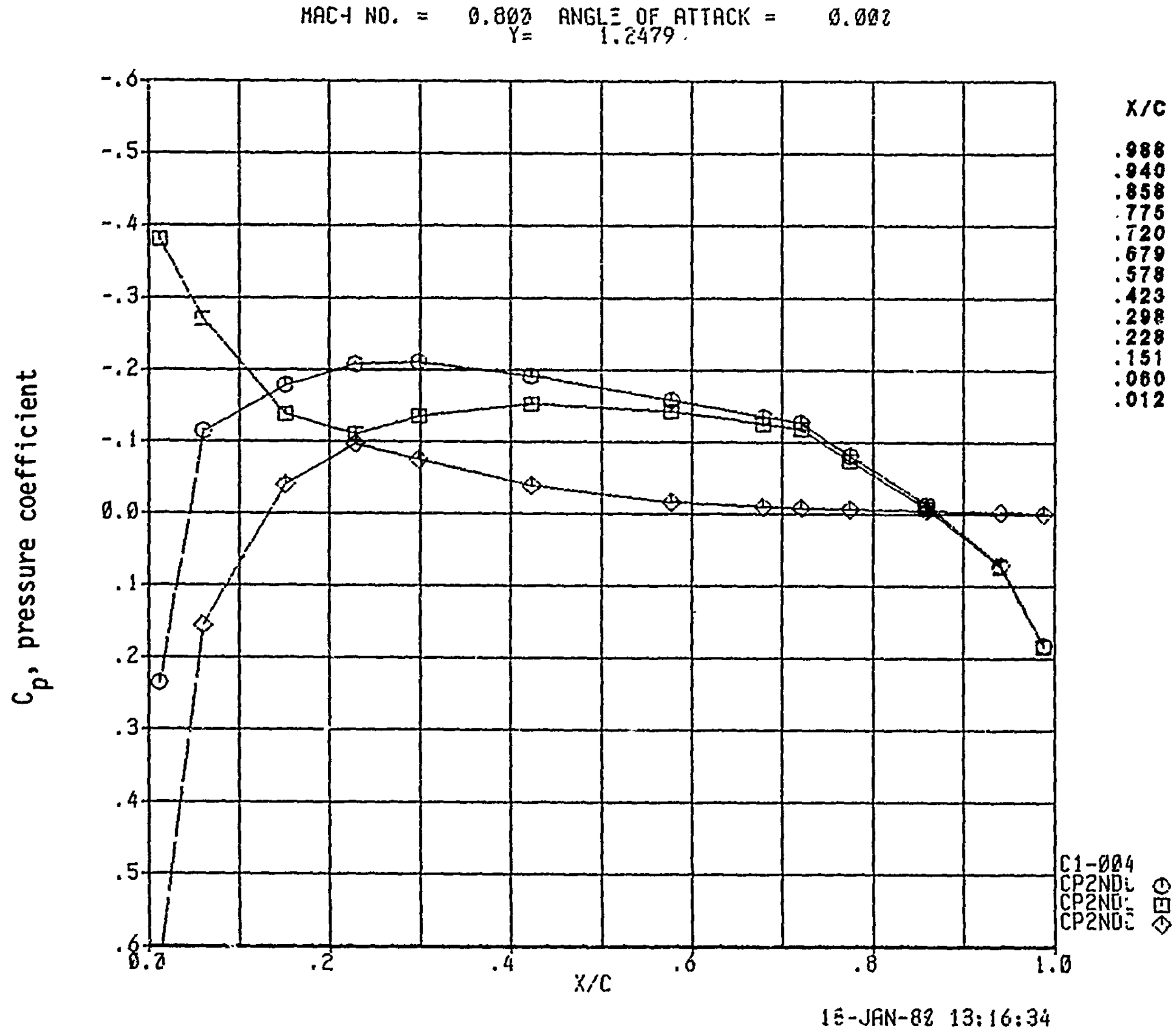
Figure 446, Chordwise Pressure Distribution, Steady, Configuration 5

MACH NO. = 0.802 ANGLE OF ATTACK = -0.502
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1858 | 0.1820 | 0.0038 |
| .940 | 0.0763 | 0.0712 | 0.0052 |
| .858 | -.0061 | -.0130 | 0.0069 |
| .775 | -.0726 | -.0808 | 0.0081 |
| .720 | -.1177 | -.1263 | 0.0086 |
| .679 | -.1252 | -.1341 | 0.0089 |
| .578 | -.1450 | -.1529 | 0.0078 |
| .423 | -.1719 | -.1664 | -.0054 |
| .298 | -.1840 | -.1528 | -.0313 |
| .228 | -.1767 | -.1303 | -.0465 |
| .151 | -.1382 | -.1675 | 0.0292 |
| .060 | -.0463 | -.3204 | 0.2740 |
| .012 | 0.3431 | -.5173 | 0.8604 |

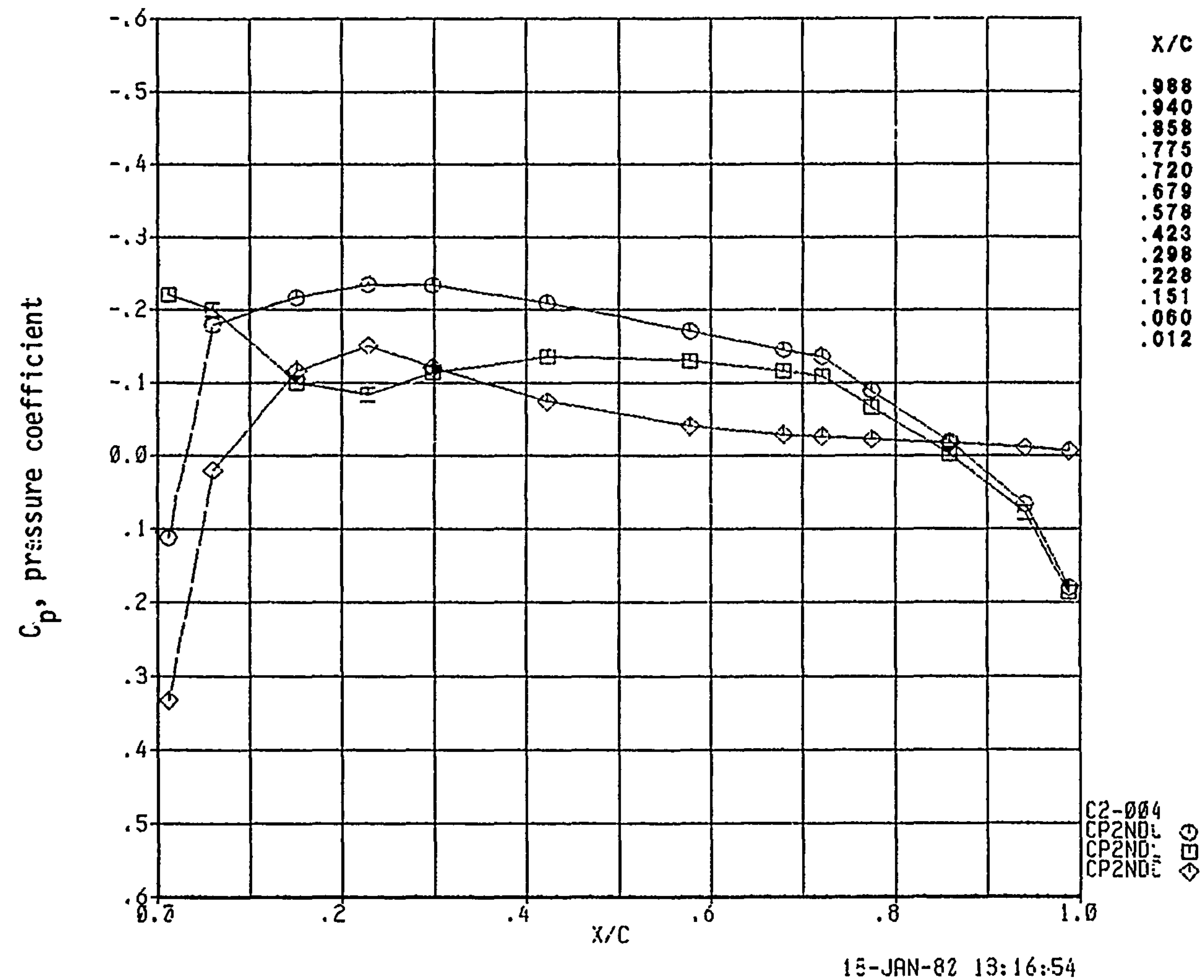
Figure 447, Chordwise Pressure Distribution, Steady, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .986 | 0.1820 | 0.1832 | -.0012 |
| .940 | 0.0712 | 0.0738 | -.0026 |
| .858 | -.0128 | -.0080 | -.0048 |
| .775 | -.0809 | -.0738 | -.0071 |
| .720 | -.1269 | -.1182 | -.0087 |
| .679 | -.1353 | -.1253 | -.0100 |
| .578 | -.1580 | -.1418 | -.0162 |
| .423 | -.1918 | -.1527 | -.0392 |
| .298 | -.[illegible]08 | -.1361 | -.0747 |
| .228 | -.2076 | -.1108 | -.0966 |
| .151 | -.1785 | -.1386 | -.0400 |
| .060 | -.1142 | -.2695 | 0.1554 |
| .012 | 0.2349 | -.3804 | 0.6154 |

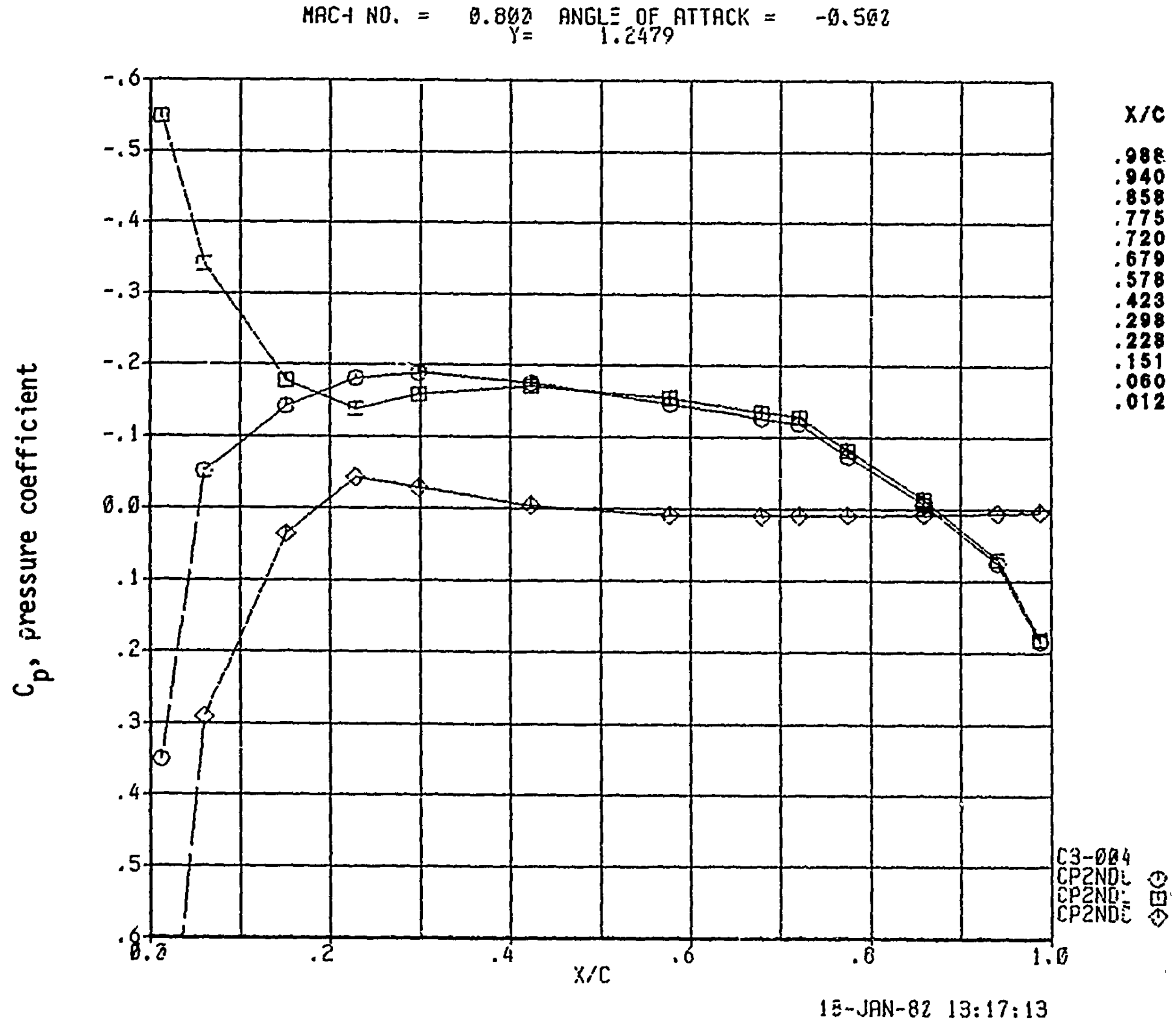
Figure 448, Chordwise Pressure Distribution, Steady, Configuration 5

MACH NO. = 0.802 ANGLE OF ATTACK = 0.502
Y= 1.2479



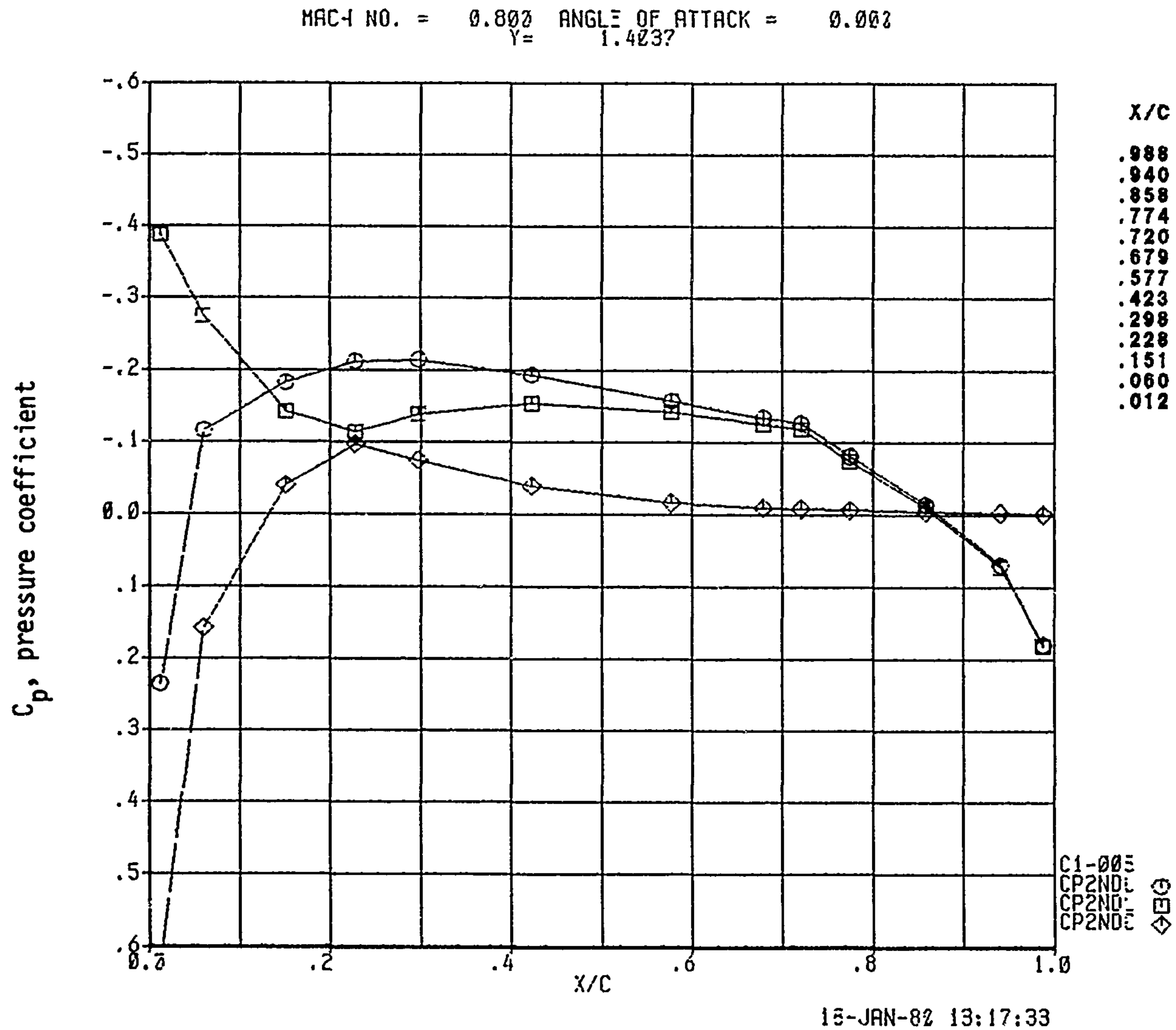

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1794 | 0.1857 | -.0064 |
| .940 | 0.0669 | 0.0779 | -.0109 |
| .858 | -.0190 | -.0020 | -.0170 |
| .775 | -.0889 | -.0660 | -.0229 |
| .720 | -.1360 | -.1094 | -.0266 |
| .679 | -.1452 | -.1157 | -.0295 |
| .578 | -.1705 | -.1296 | -.0410 |
| .423 | -.2095 | -.1354 | -.0742 |
| .298 | -.2340 | -.1135 | -.1206 |
| .228 | -.2350 | -.0840 | -.1511 |
| .151 | -.2165 | -.1004 | -.1161 |
| .060 | -.1794 | -.1997 | 0.0204 |
| .012 | 0.1114 | -.2209 | 0.3324 |

Figure 449, Chordwise Pressure Distribution, Steady, Configuration 5



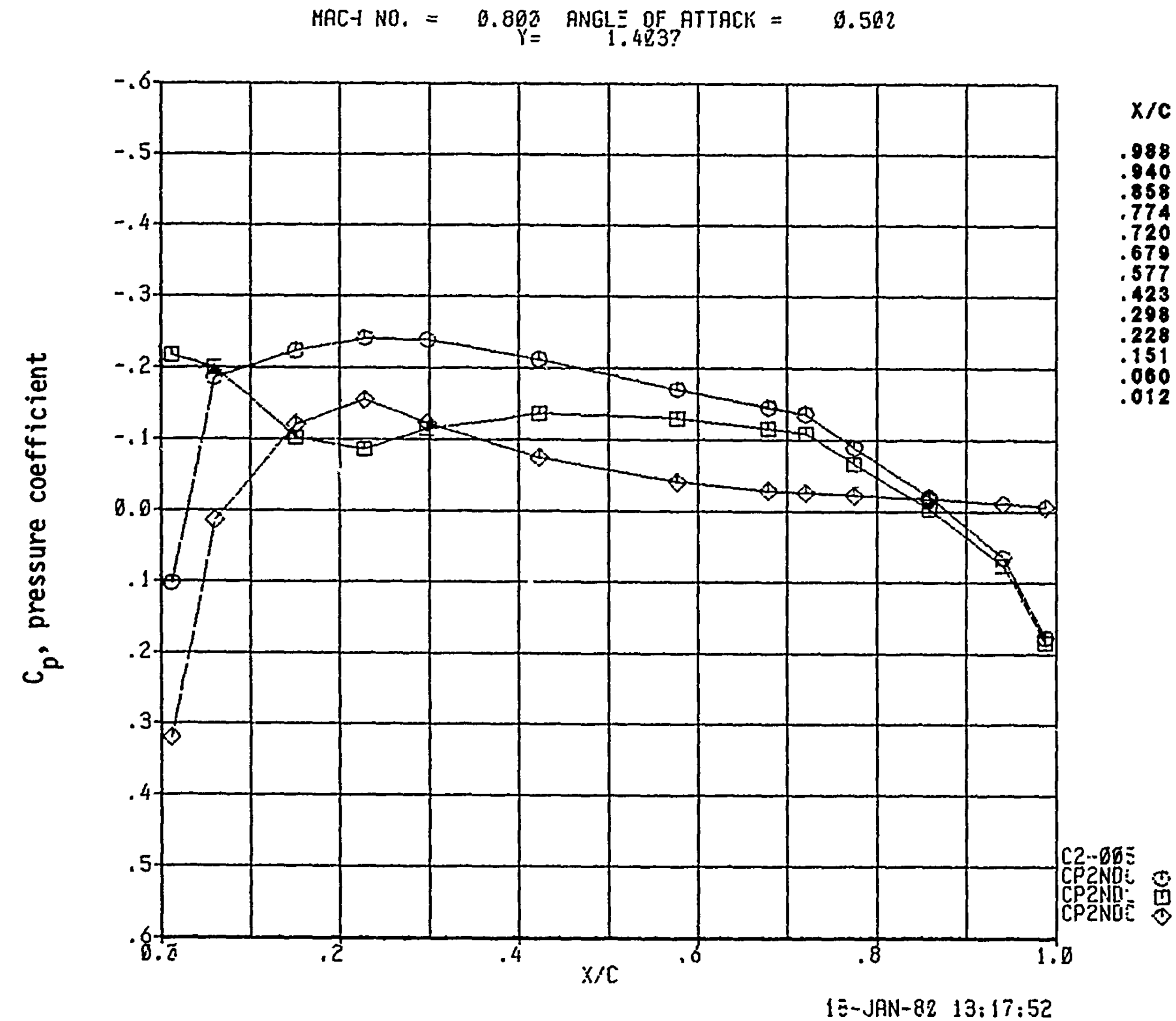

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1845 | 0.1806 | 0.0040 |
| .940 | 0.0752 | 0.0696 | 0.0056 |
| .858 | -.0068 | -.0142 | 0.0075 |
| .775 | -.0731 | -.0818 | 0.0087 |
| .720 | -.1181 | -.1273 | 0.0092 |
| .679 | -.1256 | -.1351 | 0.0095 |
| .578 | -.1458 | -.1542 | 0.0084 |
| .423 | -.1744 | -.1703 | -.0041 |
| .298 | -.1878 | -.1591 | -.0287 |
| .228 | -.1805 | -.1383 | -.0422 |
| .151 | -.1412 | -.1774 | 0.0361 |
| .060 | -.0507 | -.3411 | 0.2904 |
| .012 | 0.3495 | -.5487 | 0.8983 |

Figure 450, Chordwise Pressure Distribution, Steady, Configuration 5



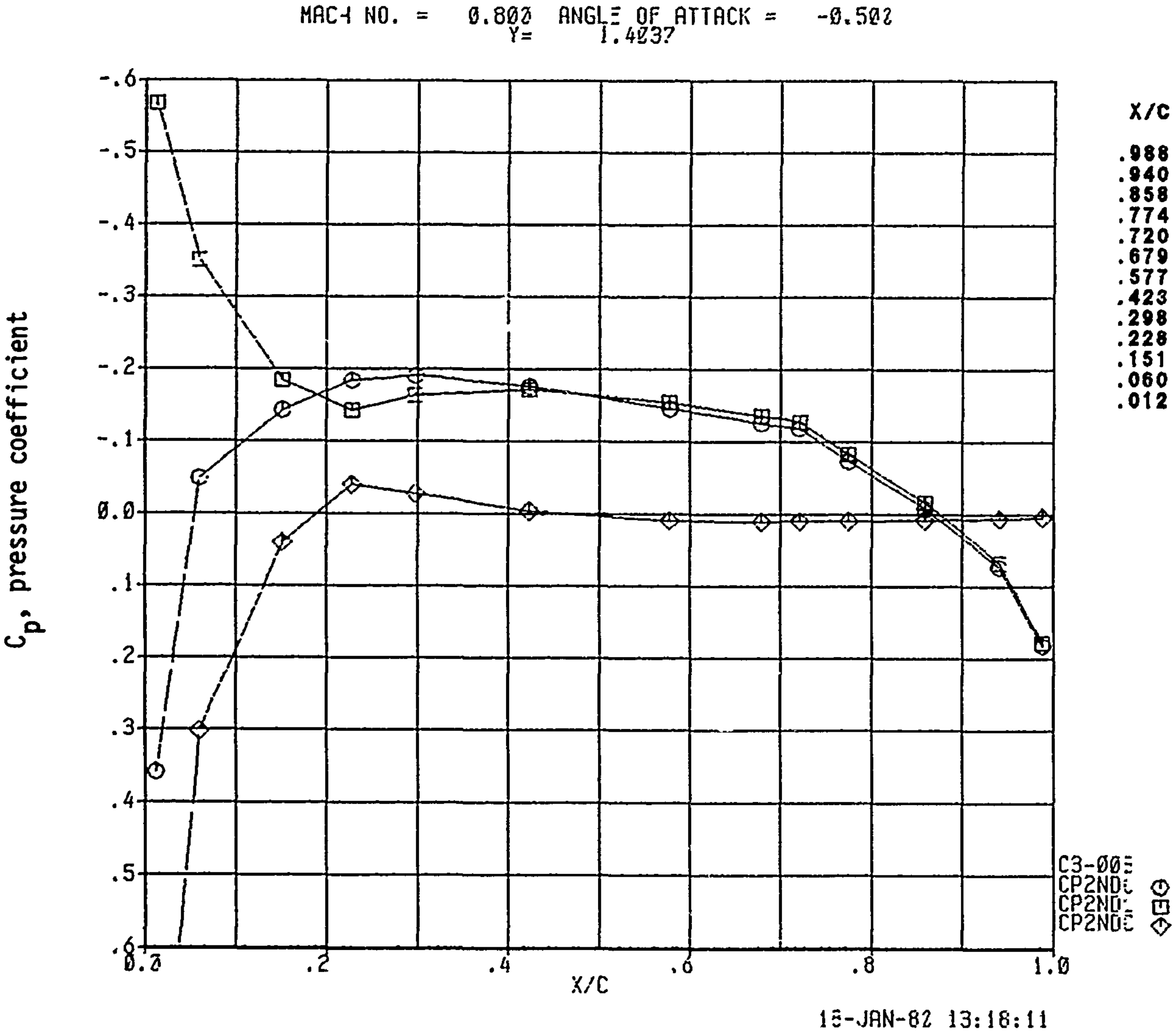

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1798 | 0.1809 | -.0011 |
| .940 | 0.0692 | 0.0717 | -.0025 |
| .858 | -.0140 | -.0094 | -.0046 |
| .774 | -.0812 | -.0744 | -.0068 |
| .720 | -.1268 | -.1185 | -.0083 |
| .679 | -.1349 | -.1253 | -.0096 |
| .577 | -.1577 | -.1417 | -.0160 |
| .423 | -.1932 | -.1539 | -.0394 |
| .298 | -.2141 | -.1388 | -.0753 |
| .228 | -.2115 | -.1143 | -.0972 |
| .151 | -.1824 | -.1425 | -.0400 |
| .060 | -.1164 | -.2740 | 0.1576 |
| .012 | 0.2349 | -.3872 | 0.6222 |

Figure 451, Chordwise Pressure Distribution, Steady, Configuration 5



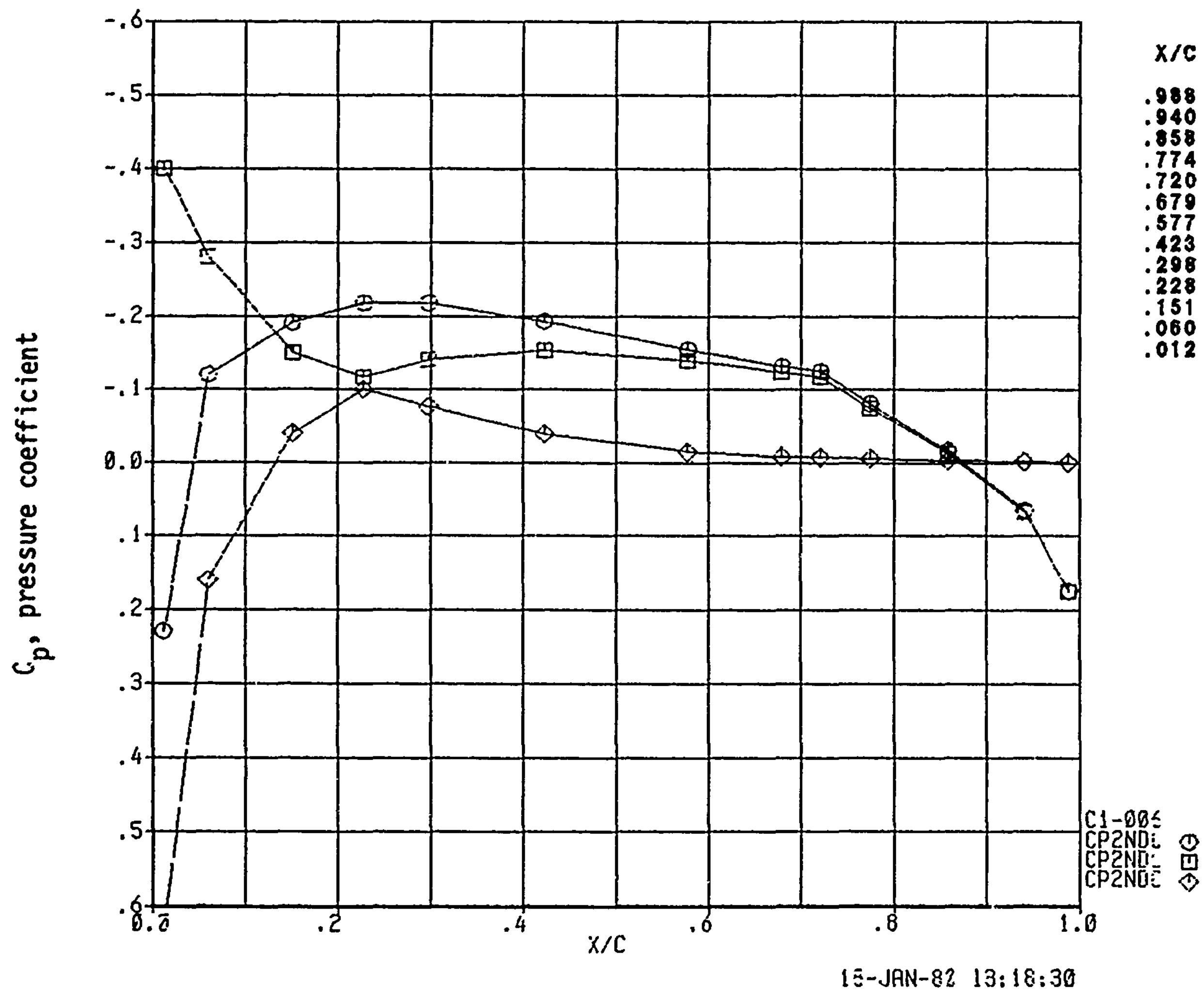

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1770 | 0.1835 | -.0065 |
| .940 | 0.0648 | 0.0759 | -.0110 |
| .858 | -.0203 | -.0033 | -.0171 |
| .774 | -.0893 | -.0665 | -.0228 |
| .720 | -.1360 | -.1096 | -.0264 |
| .679 | -.1448 | -.1156 | -.0292 |
| .577 | -.1702 | -.1294 | -.0408 |
| .423 | -.2114 | -.1362 | -.0752 |
| .298 | -.2383 | -.1153 | -.1230 |
| .228 | -.2403 | -.0861 | -.1543 |
| .151 | -.2226 | -.1021 | -.1205 |
| .060 | -.1861 | -.1996 | 0.0136 |
| .012 | 0.1022 | -.2166 | 0.3189 |

Figure 452, Chordwise Pressure Distribution, Steady, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1823 | 0.1781 | 0.0042 |
| .940 | 0.0733 | 0.0674 | 0.0060 |
| .858 | -.0078 | -.0158 | 0.0080 |
| .774 | -.0733 | -.0826 | 0.0093 |
| .720 | -.1180 | -.1276 | 0.0097 |
| .679 | -.1253 | -.1352 | 0.0099 |
| .577 | -.1454 | -.1542 | 0.0088 |
| .423 | -.1754 | -.1719 | -.0036 |
| .298 | -.1903 | -.1627 | -.0276 |
| .228 | -.1831 | -.1430 | -.0401 |
| .151 | -.1430 | -.1835 | 0.0405 |
| .060 | -.0487 | -.3504 | 0.3018 |
| .012 | 0.3575 | -.5678 | 0.9254 |

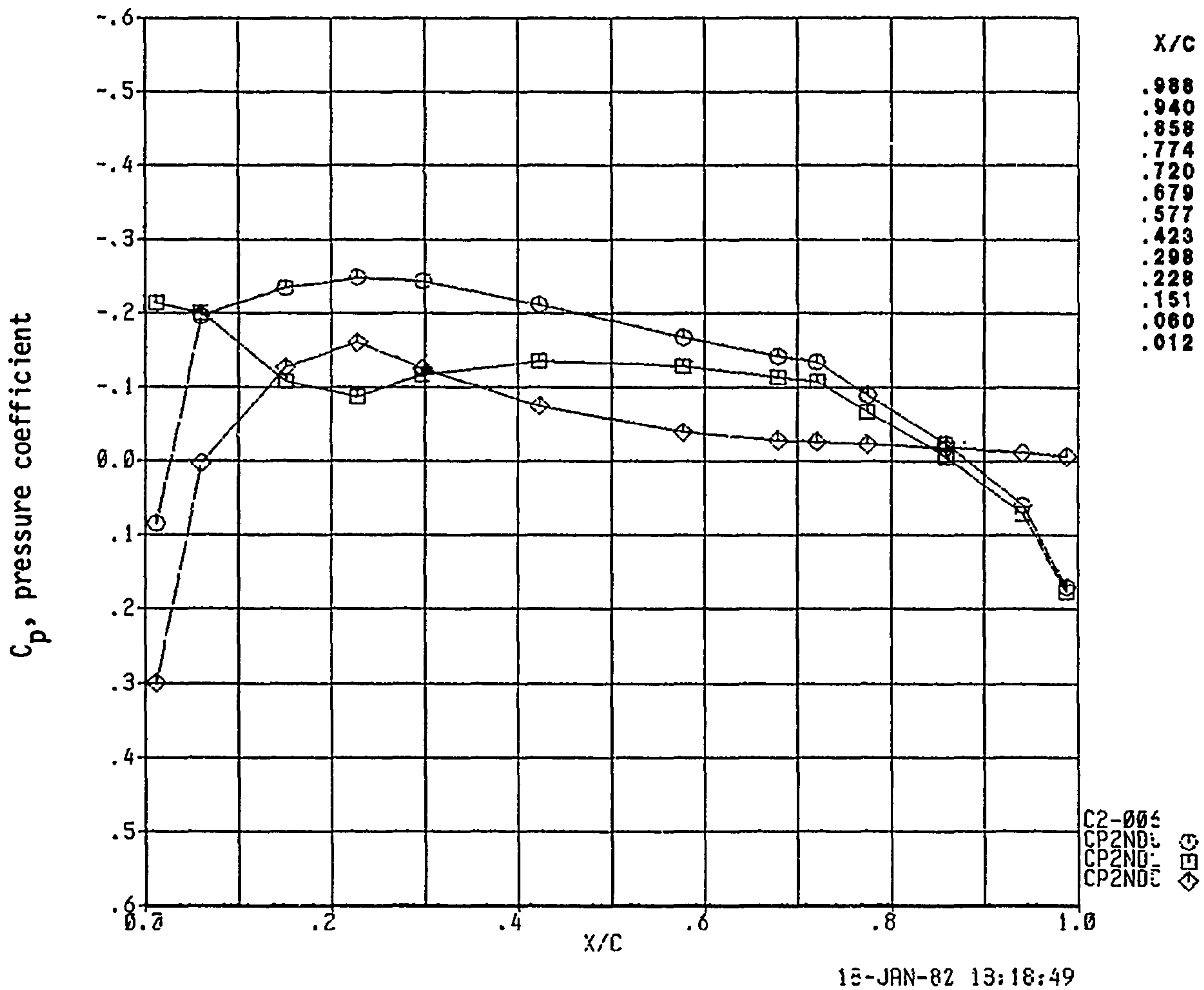
Figure 453, Chordwise Pressure Distribution, Steady, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1735 | 0.1745 | -.0010 |
| .940 | 0.0641 | 0.0663 | -.0022 |
| .858 | -.0166 | -.0126 | -.0040 |
| .774 | -.0810 | -.0750 | -.0059 |
| .720 | -.1250 | -.1176 | -.0074 |
| .679 | -.1322 | -.1238 | -.0085 |
| .577 | -.1549 | -.1402 | -.0147 |
| .423 | -.1933 | -.1538 | -.0395 |
| .298 | -.2182 | -.1414 | -.0769 |
| .228 | -.2180 | -.1176 | -.1004 |
| .151 | -.1912 | -.1507 | -.0404 |
| .060 | -.1203 | -.2801 | 0.1599 |
| .012 | 0.2295 | -.3994 | 0.6289 |

Figure 454, Chordwise Pressure Distribution, Steady, Configuration 5

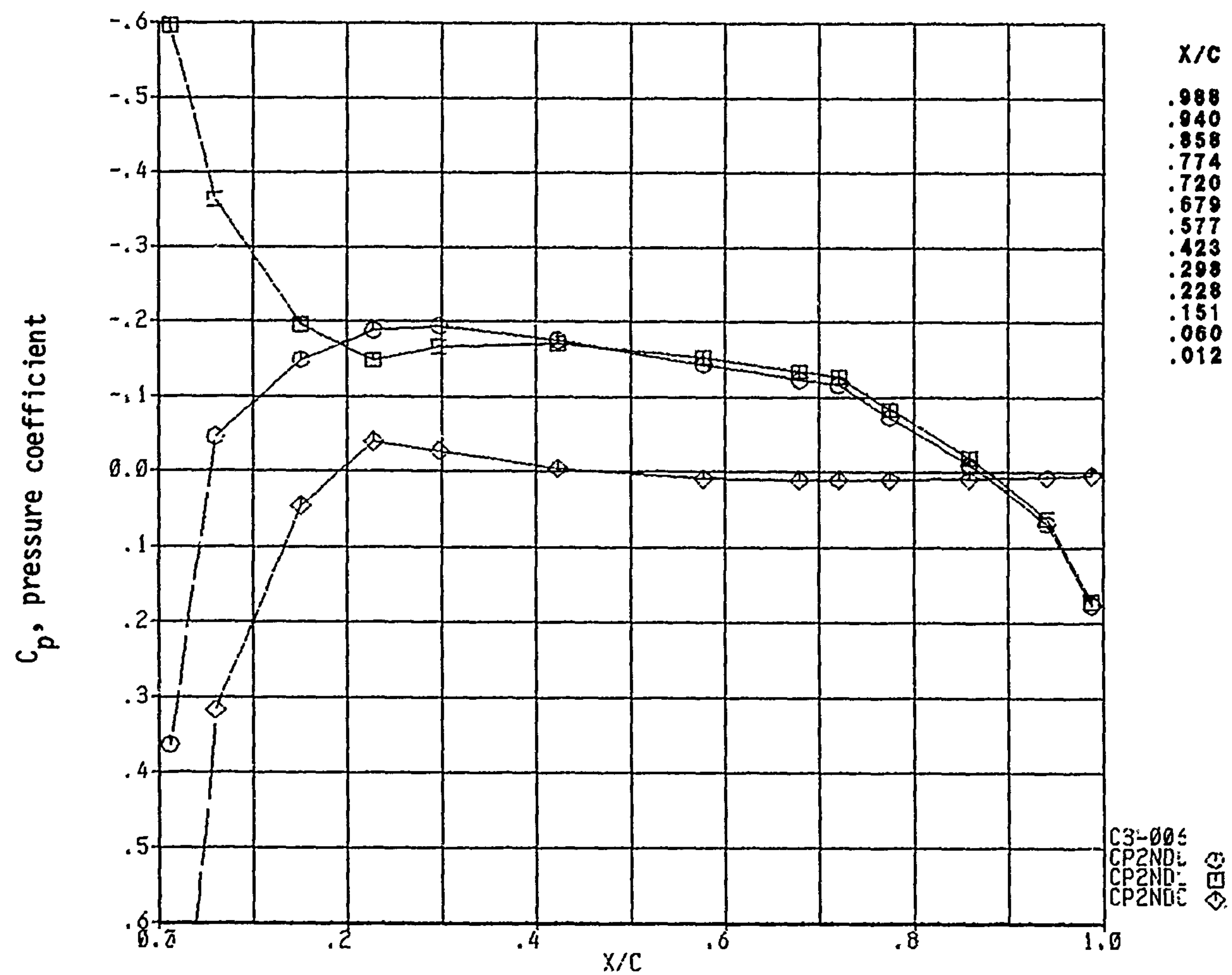
MACH NO. = 0.800 ANGLE OF ATTACK = 0.502
Y= 1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1706 | 0.1772 | -.0066 |
| .940 | 0.0595 | 0.0708 | -.0113 |
| .858 | -.0234 | -.0061 | -.0173 |
| .774 | -.0894 | -.0668 | -.0226 |
| .720 | -.1343 | -.1085 | -.0256 |
| .679 | -.1421 | -.1141 | -.0280 |
| .577 | -.1671 | -.1282 | -.0390 |
| .423 | -.2114 | -.1361 | -.0751 |
| .298 | -.2432 | -.1172 | -.1260 |
| .228 | -.2484 | -.0879 | -.1605 |
| .151 | -.2345 | -.1074 | -.1271 |
| .060 | -.1962 | -.1993 | 0.0030 |
| .012 | 0.0847 | -.2143 | 0.2990 |

Figure 455, Chordwise Pressure Distribution, Steady, Configuration 5

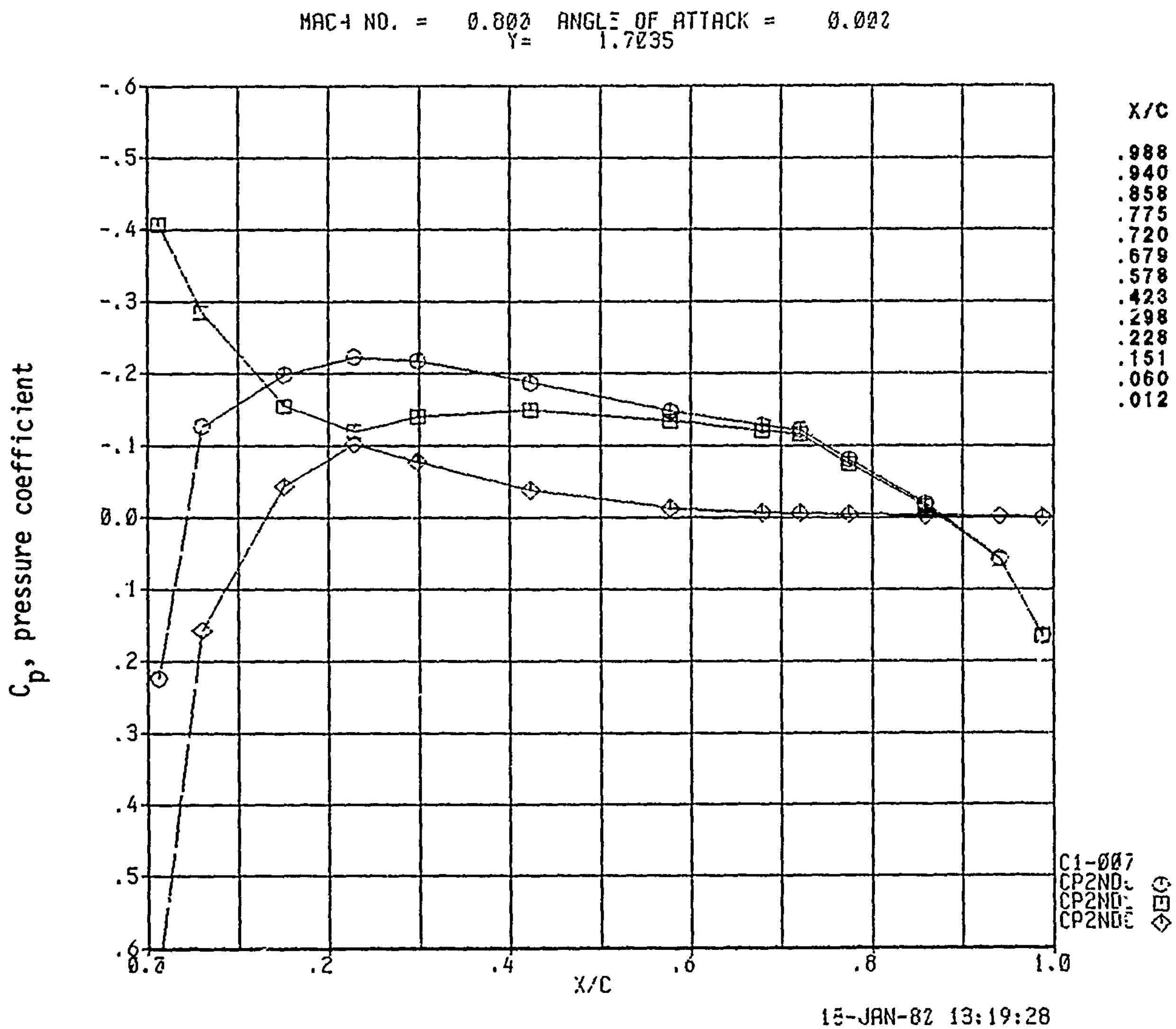
MACH NO. = 0.800 ANGLE OF ATTACK = -0.500
Y= 1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1762 | 0.1715 | 0.0047 |
| .940 | 0.0685 | 0.0616 | 0.0069 |
| .858 | -.0101 | -.0195 | 0.0094 |
| .774 | -.0728 | -.0835 | 0.0107 |
| .720 | -.1160 | -.1268 | 0.0109 |
| .679 | -.1226 | -.1337 | 0.0110 |
| .577 | -.1429 | -.1524 | 0.0095 |
| .423 | -.1755 | -.1718 | -.0038 |
| .298 | -.1936 | -.1661 | -.0276 |
| .228 | -.1881 | -.1478 | -.0403 |
| .151 | -.1487 | -.1949 | 0.0462 |
| .060 | -.0465 | -.3633 | 0.3168 |
| .012 | 0.3626 | -.5963 | 0.9588 |

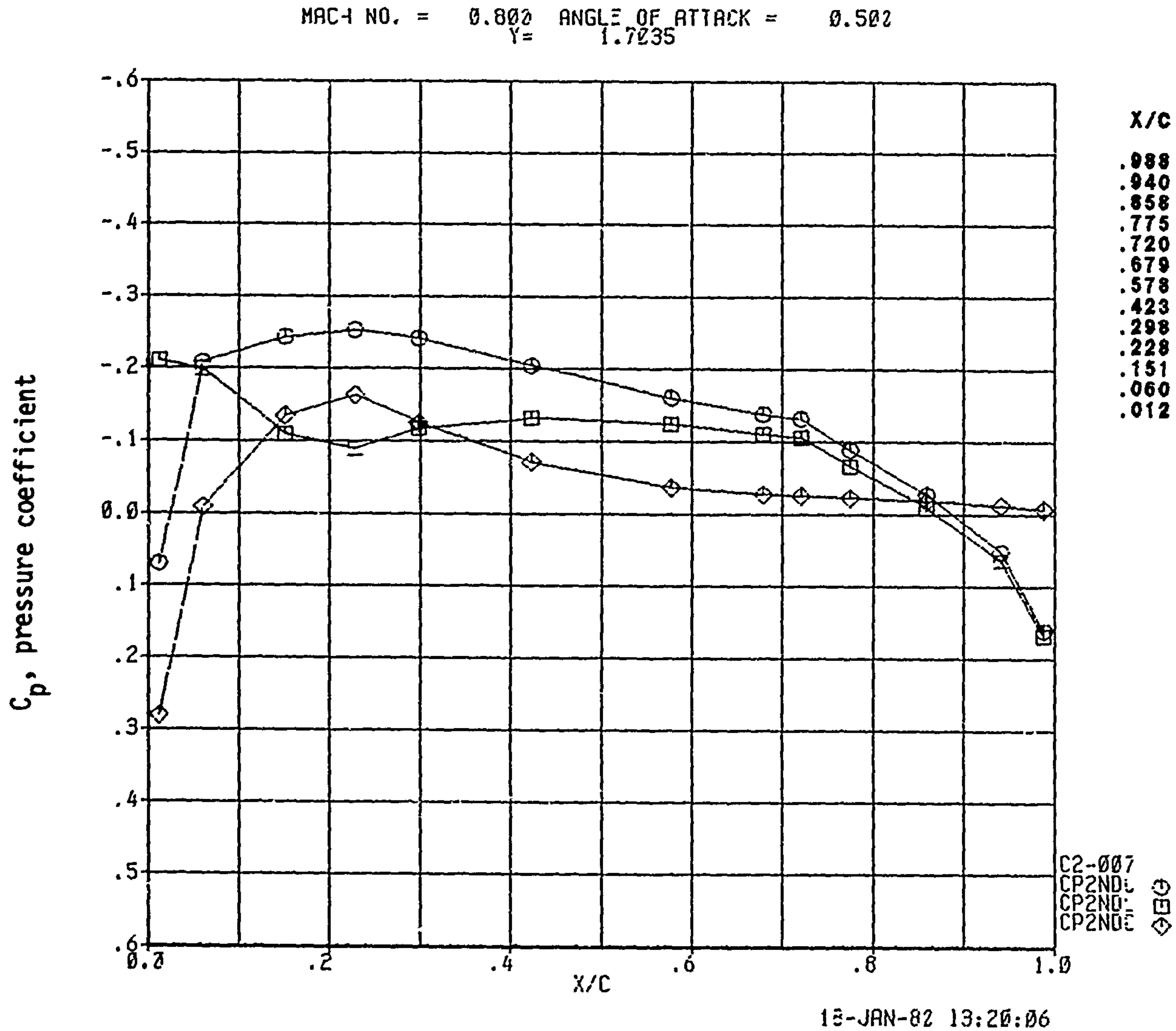
18-JAN-82 13:19:09

Figure 456, Chordwise Pressure Distribution, Steady, Configuration 5



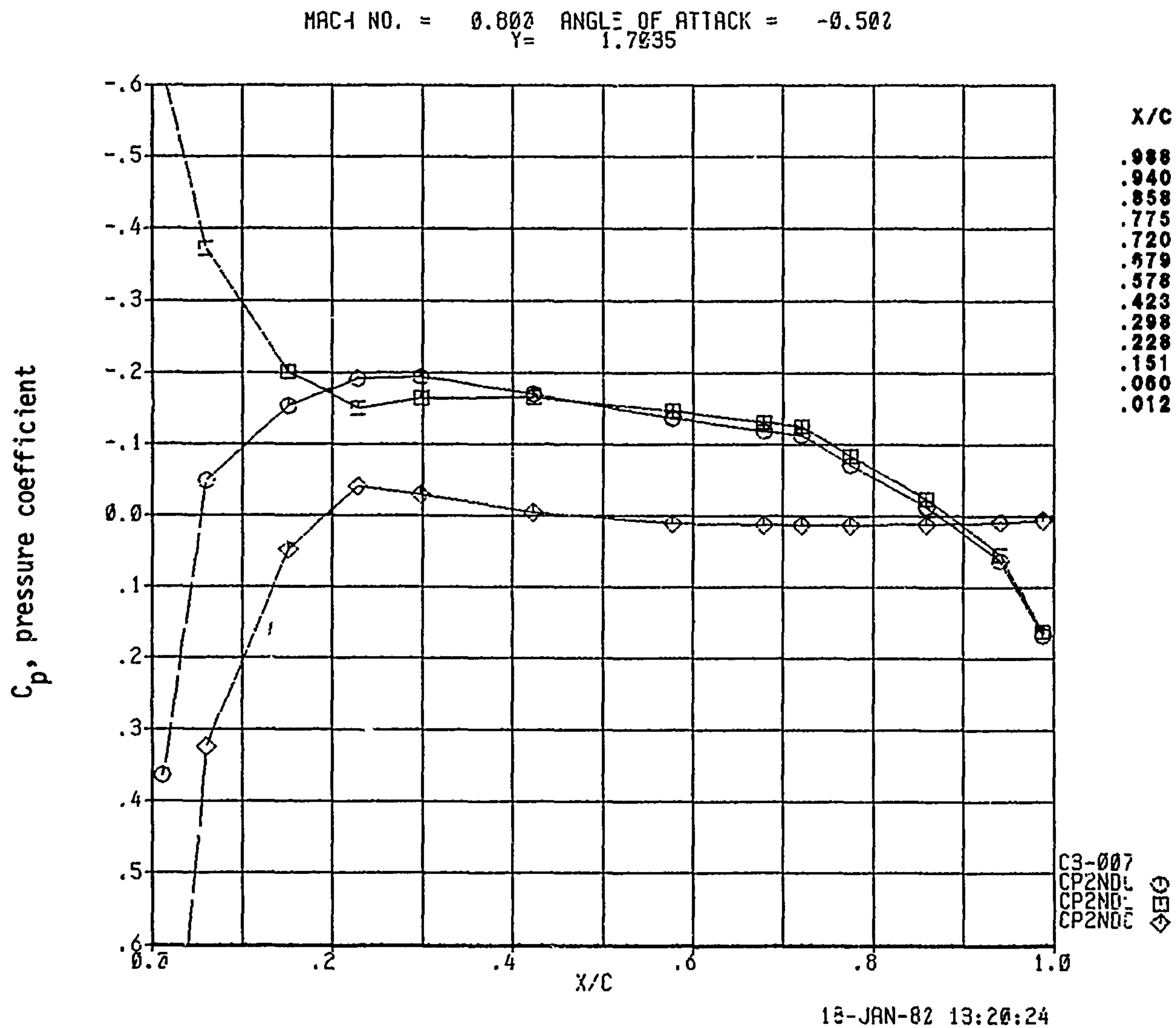

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1645 | 0.1654 | -.0008 |
| .940 | 0.0570 | 0.0588 | -.0018 |
| .858 | -.0197 | -.0165 | -.0033 |
| .775 | -.0801 | -.0750 | -.0051 |
| .720 | -.1219 | -.1155 | -.0063 |
| .679 | -.1278 | -.1205 | -.0073 |
| .578 | -.1482 | -.1351 | -.0131 |
| .423 | -.1870 | -.1490 | -.0379 |
| .298 | -.2176 | -.1402 | -.0773 |
| .228 | -.2220 | -.1198 | -.1022 |
| .151 | -.1982 | -.1547 | -.0435 |
| .060 | -.1270 | -.2842 | 0.1571 |
| .012 | 0.2230 | -.4059 | 0.6289 |

Figure 457, Chordwise Pressure Distribution, Steady, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1614 | 0.1683 | -.0069 |
| .940 | 0.0517 | 0.0638 | -.0122 |
| .858 | -.0274 | -.0090 | -.0183 |
| .775 | -.0891 | -.0662 | -.0228 |
| .720 | -.1314 | -.1062 | -.0253 |
| .679 | -.1378 | -.1107 | -.0271 |
| .578 | -.1600 | -.1235 | -.0365 |
| .423 | -.2040 | -.1325 | -.0715 |
| .298 | -.2417 | -.1168 | -.1249 |
| .228 | -.2528 | -.0895 | -.1633 |
| .151 | -.2436 | -.1093 | -.1343 |
| .060 | -.2077 | -.1985 | -.0092 |
| .012 | 0.0696 | -.2107 | 0.2802 |

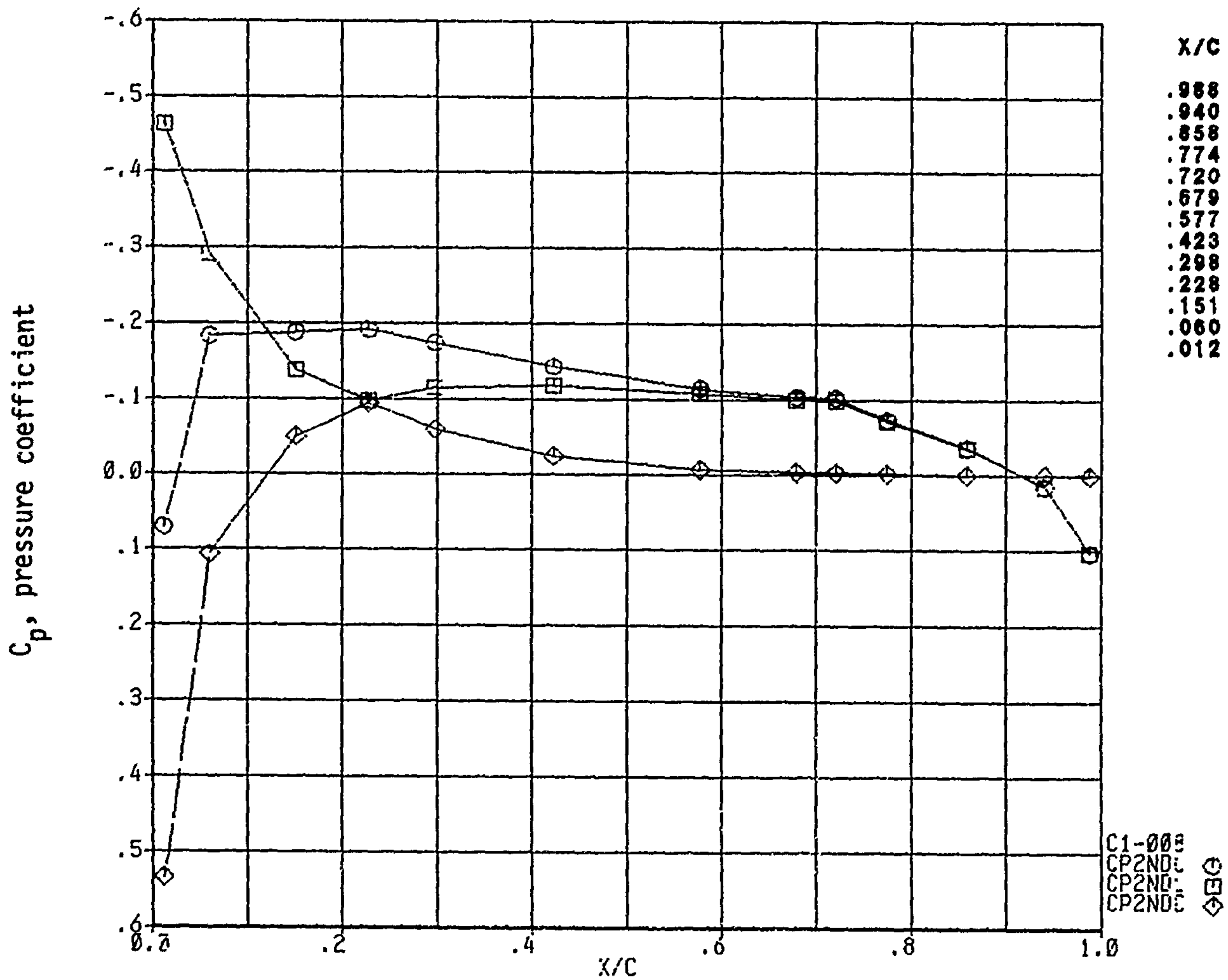
Figure 458, Chordwise Pressure Distribution, Steady, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1675 | 0.1622 | 0.0054 |
| .940 | 0.0620 | 0.0535 | 0.0085 |
| .858 | -.0124 | -.0241 | 0.0117 |
| .775 | -.0713 | -.0839 | 0.0126 |
| .720 | -.1125 | -.1252 | 0.0126 |
| .679 | -.1181 | -.1306 | 0.0125 |
| .578 | -.1366 | -.1470 | 0.0104 |
| .423 | -.1703 | -.1658 | -.0045 |
| .298 | -.1939 | -.1640 | -.0298 |
| .228 | -.1916 | -.1505 | -.0411 |
| .151 | -.1536 | -.2010 | 0.0473 |
| .060 | -.0488 | -.3723 | 0.3235 |
| .012 | 0.3635 | -.6141 | 0.9777 |

Figure 459, Chordwise Pressure Distribution, Steady, Configuration 5

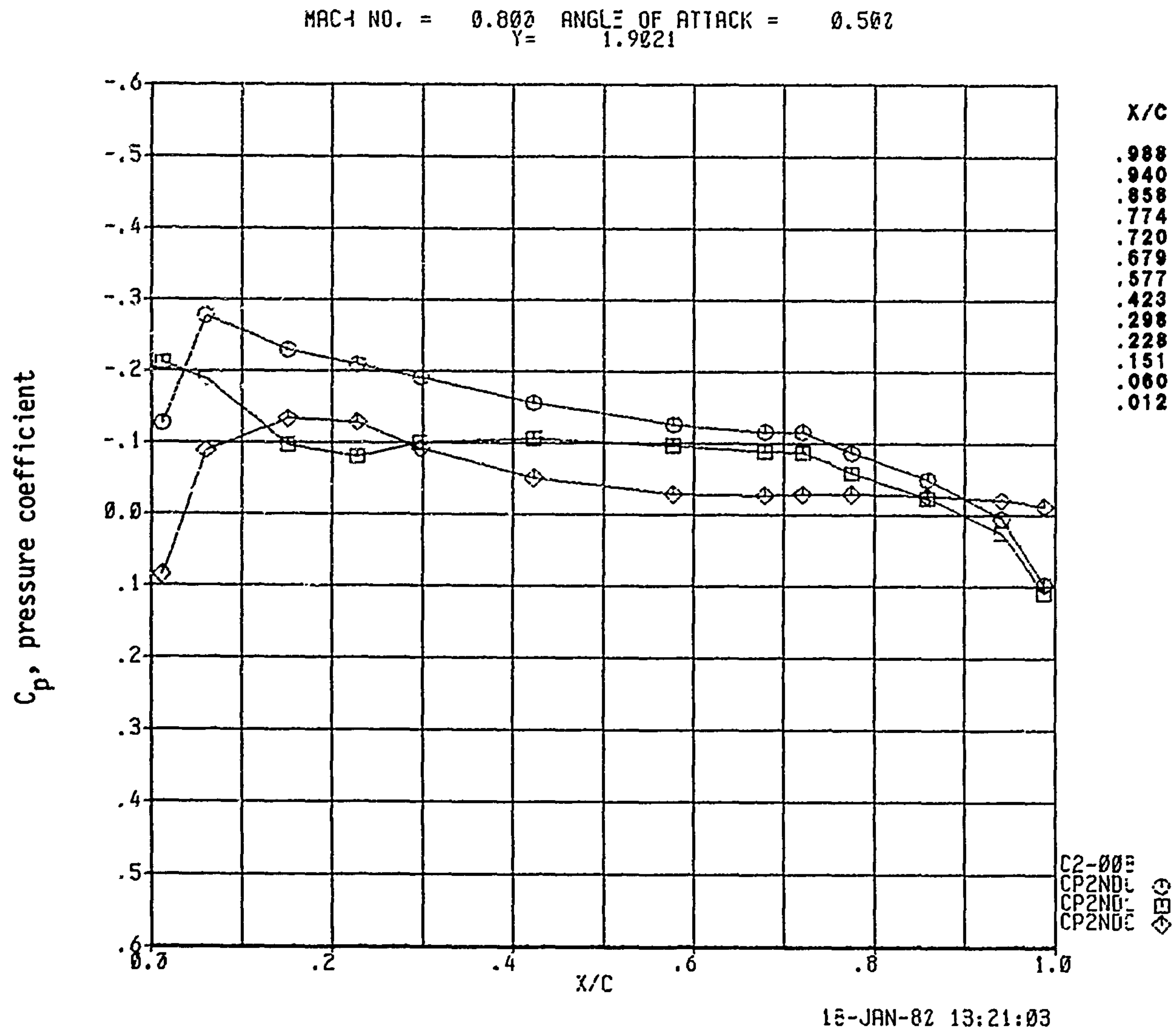
MACH NO. = 0.800 ANGLE OF ATTACK = 0.002
Y= 1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1033 | 0.1031 | 0.0003 |
| .940 | 0.0152 | 0.0150 | 0.0002 |
| .858 | -.0365 | -.0359 | -.0006 |
| .774 | -.0734 | -.0714 | -.0020 |
| .720 | -.1023 | -.0991 | -.0032 |
| .679 | -.1034 | -.0997 | -.0038 |
| .577 | -.1142 | -.1074 | -.0067 |
| .423 | -.1433 | -.1182 | -.0249 |
| .298 | -.1748 | -.1154 | -.0595 |
| .228 | -.1921 | -.0977 | -.0944 |
| .151 | -.1878 | -.1380 | -.0498 |
| .060 | -.1833 | -.2906 | 0.1073 |
| .012 | 0.0708 | -.4628 | 0.5335 |

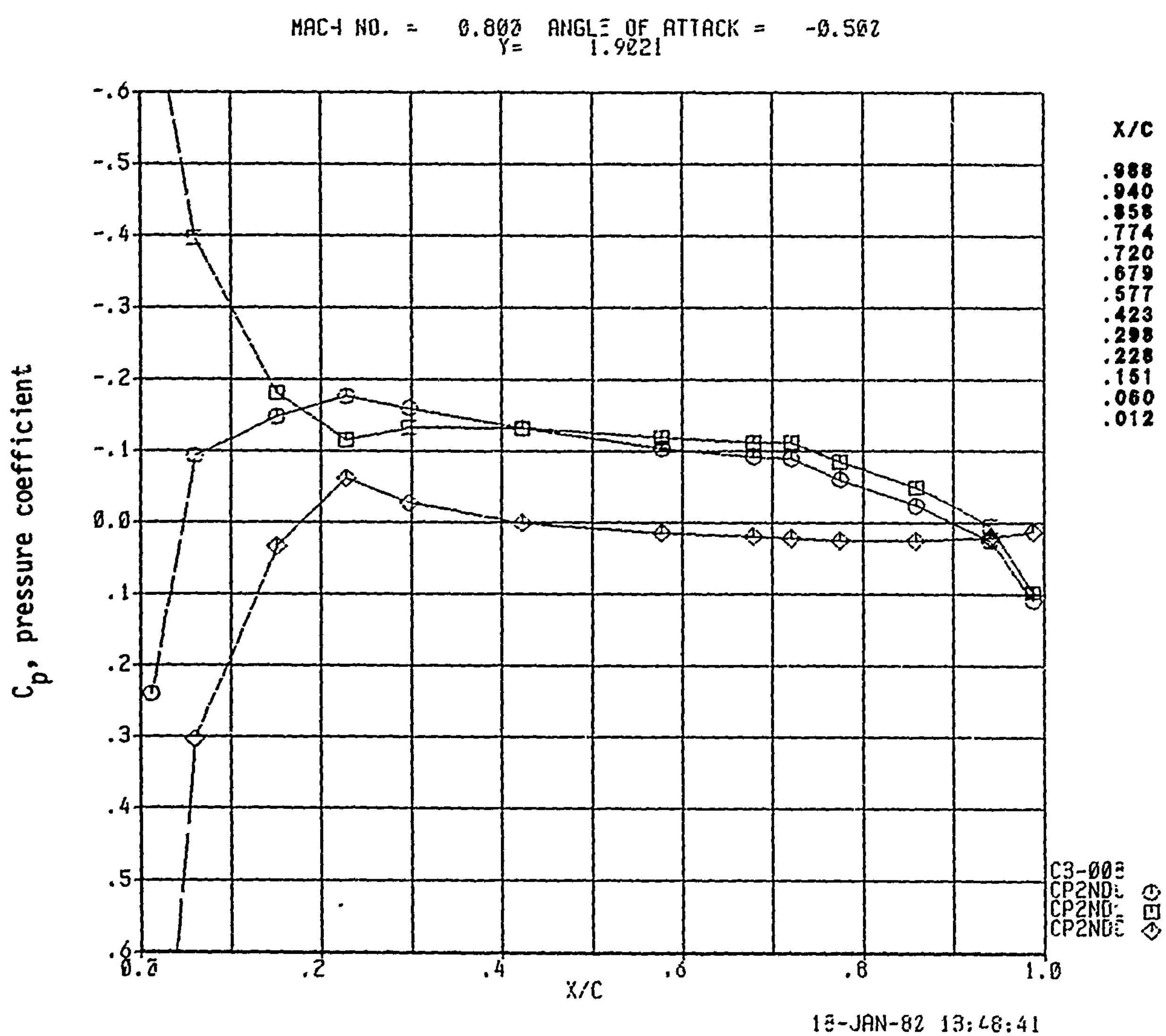
18-JAN-82 13:20:44

Figure 460, Chordwise Pressure Distribution, Steady, Configuration 5



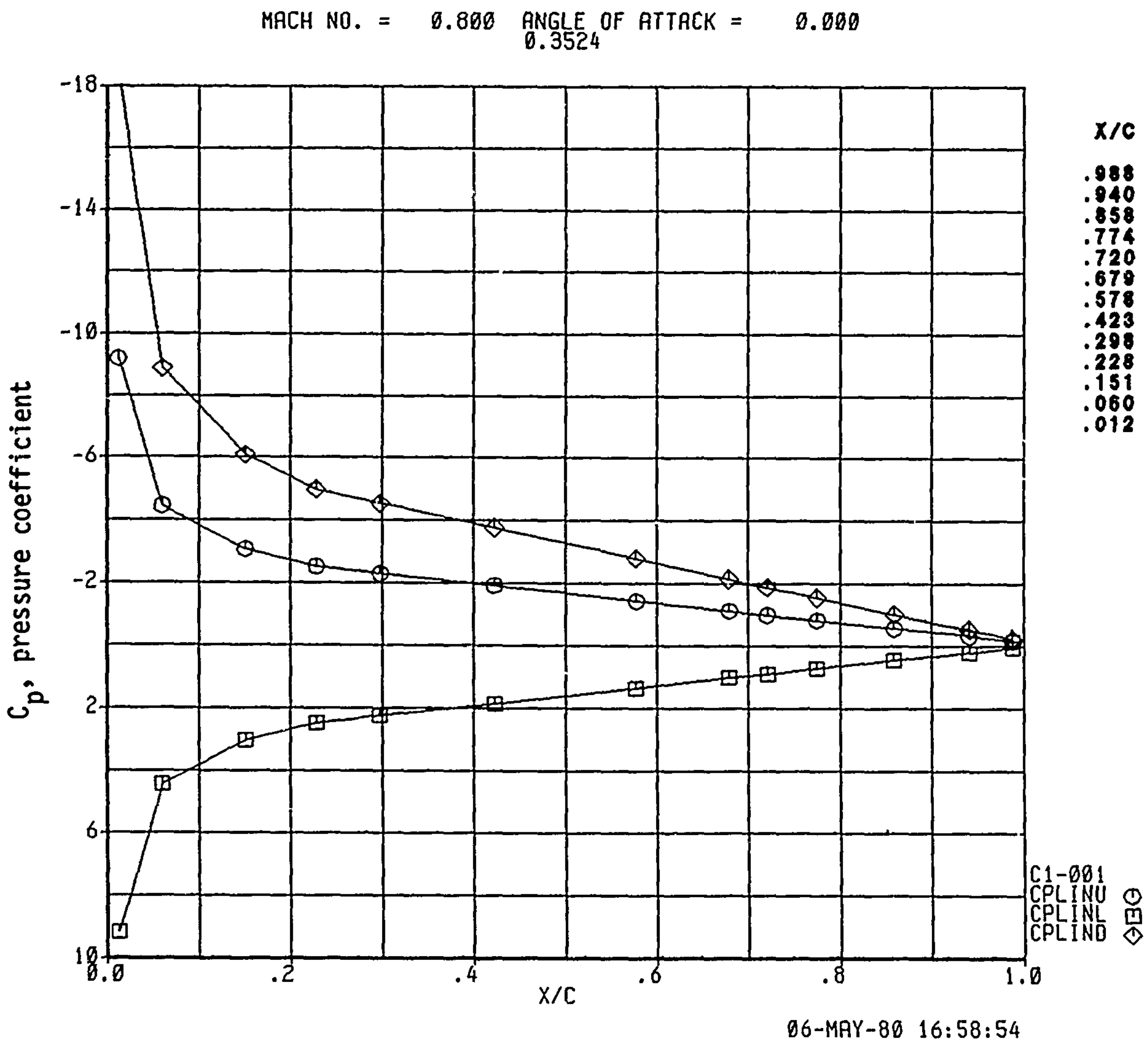

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.0971 | 0.1091 | -.0121 |
| .940 | 0.0049 | 0.0251 | -.0202 |
| .858 | -.0496 | -.0231 | -.0265 |
| .774 | -.0870 | -.0581 | -.0289 |
| .720 | -.1149 | -.0868 | -.0281 |
| .679 | -.1151 | -.0884 | -.0267 |
| .577 | -.1251 | -.0968 | -.0283 |
| .423 | -.1562 | -.1055 | -.0507 |
| .298 | -.1910 | -.0995 | -.0914 |
| .228 | -.2087 | -.0809 | -.1279 |
| .151 | -.2291 | -.0965 | -.1326 |
| .060 | -.2775 | -.1885 | -.0889 |
| .012 | -.1265 | -.2113 | 0.0847 |

Figure 461, Chordwise Pressure Distribution, Steady, Configuration 5



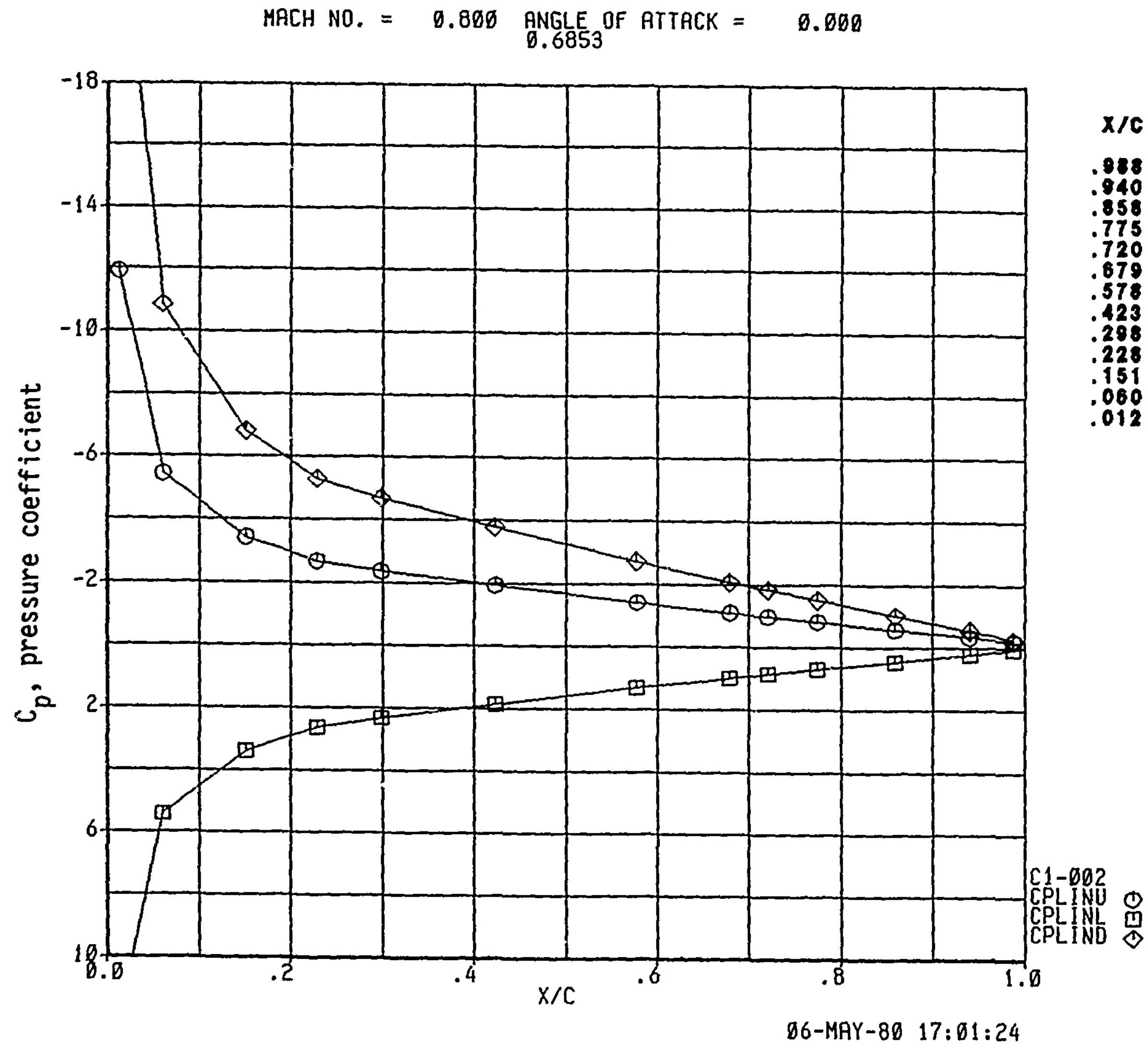

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1093 | 0.0968 | 0.0126 |
| .940 | 0.0253 | 0.0047 | 0.0206 |
| .858 | -.0237 | -.0489 | 0.0252 |
| .774 | -.0602 | -.0851 | 0.0249 |
| .720 | -.0901 | -.1118 | 0.0216 |
| .679 | -.0922 | -.1113 | 0.0191 |
| .577 | -.1036 | -.1184 | 0.0148 |
| .423 | -.1306 | -.1313 | 0.0007 |
| .298 | -.1591 | -.1316 | -.0275 |
| .228 | -.1758 | -.1149 | -.0610 |
| .151 | -.1470 | -.1801 | 0.0331 |
| .060 | -.0931 | -.3966 | 0.3035 |
| .012 | 0.2399 | -.7424 | 0.9823 |

Figure 462, Chordwise Pressure Distribution, Steady, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1748 | 0.0555 | -.2303 |
| .940 | -.3213 | 0.2023 | -.5236 |
| .858 | -.5591 | 0.4450 | -1.004 |
| .774 | -.8204 | 0.7151 | -1.536 |
| .720 | -.9825 | 0.8847 | -1.867 |
| .679 | -1.109 | 1.0168 | -2.125 |
| .578 | -1.424 | 1.3481 | -2.772 |
| .423 | -1.910 | 1.8576 | -3.768 |
| .298 | -2.282 | 2.2461 | -4.528 |
| .228 | -2.504 | 2.4773 | -4.982 |
| .151 | -3.050 | 3.0322 | -6.082 |
| .060 | -4.437 | 4.4283 | -8.866 |
| .012 | -9.190 | 9.1857 | -18.38 |

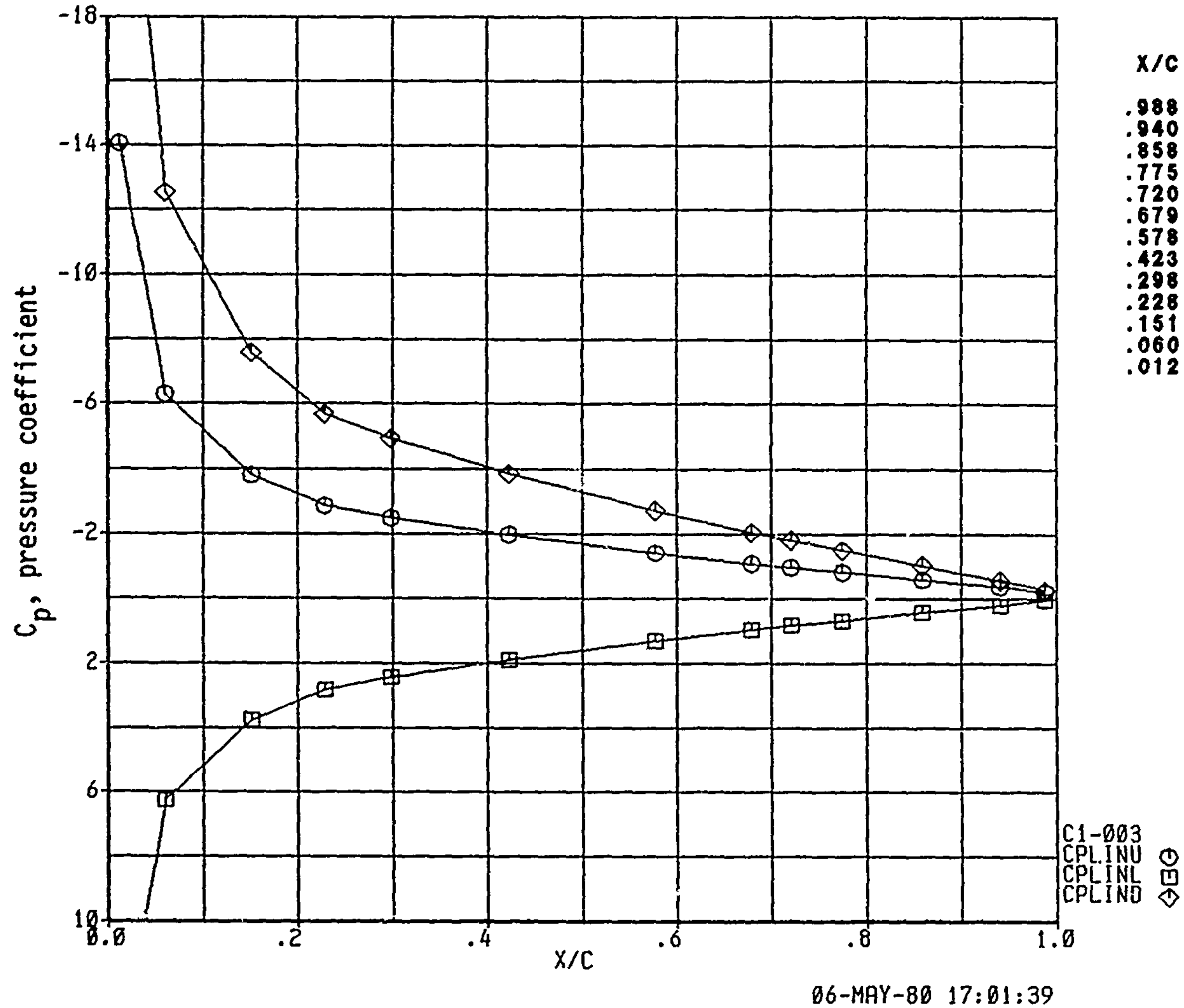
Figure 463, Chordwise Pressure Distribution, Real, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1937 | 0.0522 | -.2459 |
| .940 | -.3442 | 0.2042 | -.5484 |
| .858 | -.5725 | 0.4401 | -1.013 |
| .775 | -.8148 | 0.6941 | -1.509 |
| .720 | -.9681 | 0.8563 | -1.824 |
| .679 | -1.088 | 0.9830 | -2.071 |
| .578 | -1.402 | 1.3149 | -2.717 |
| .423 | -1.920 | 1.8572 | -3.778 |
| .298 | -2.367 | 2.3207 | -4.688 |
| .228 | -2.669 | 2.6309 | -5.300 |
| .151 | -3.426 | 3.3965 | -6.822 |
| .060 | -5.434 | 5.4144 | -10.85 |
| .012 | -11.92 | 11.908 | -23.83 |

Figure 464, Chordwise Pressure Distribution, Real, Configuration 5

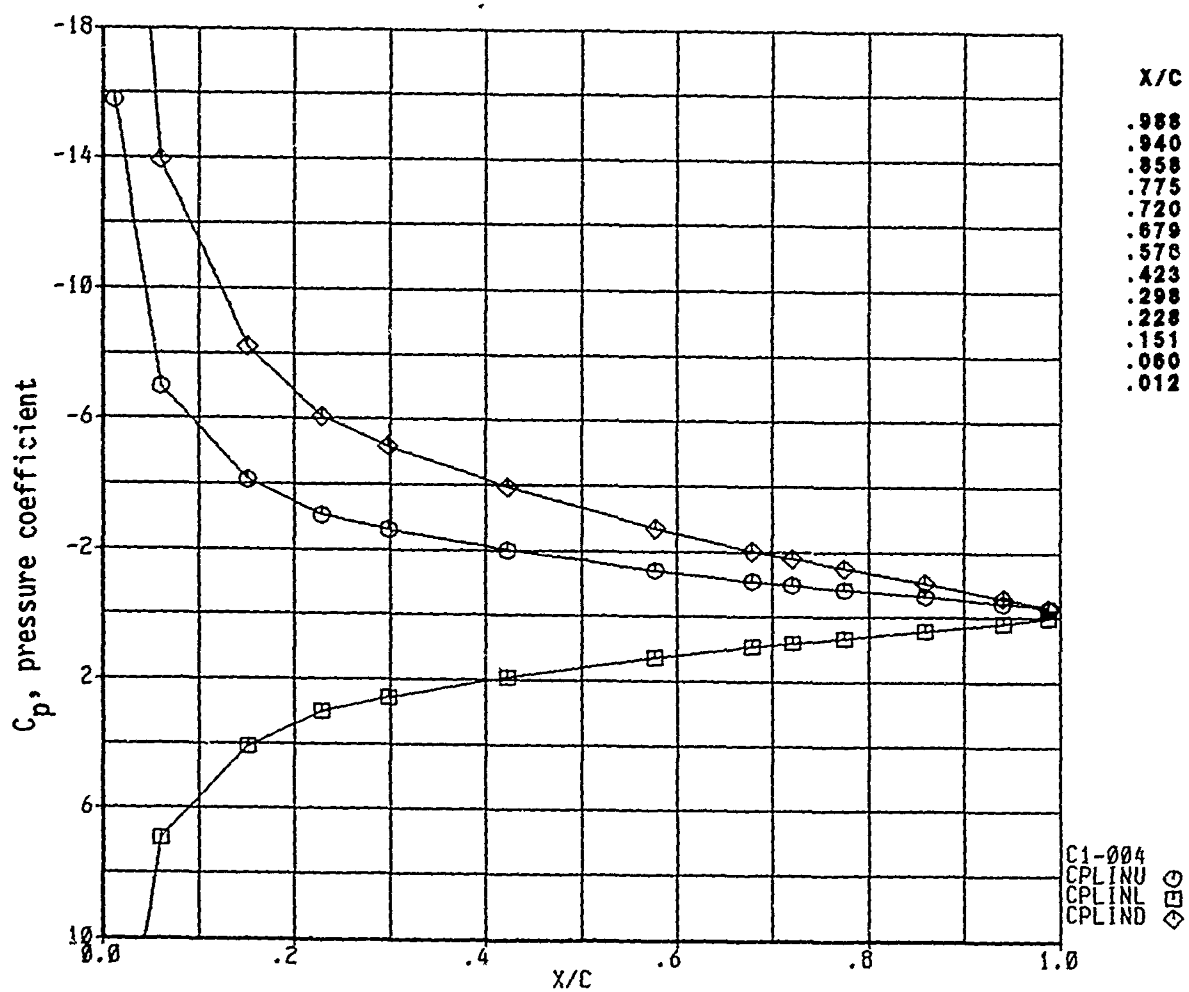
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2252 | 0.0356 | -.2608 |
| .940 | -.3792 | 0.1950 | -.5743 |
| .858 | -.5994 | 0.4309 | -1.030 |
| .775 | -.8262 | 0.6775 | -1.504 |
| .720 | -.9728 | 0.8372 | -1.810 |
| .679 | -1.088 | 0.9623 | -2.051 |
| .578 | -1.407 | 1.3033 | -2.711 |
| .423 | -1.969 | 1.8929 | -3.862 |
| .298 | -2.496 | 2.4376 | -4.933 |
| .228 | -2.870 | 2.8207 | -5.691 |
| .151 | -3.806 | 3.7650 | -7.571 |
| .060 | -6.286 | 6.2543 | -12.54 |
| .012 | -14.06 | 14.034 | -28.09 |

Figure 465, Chordwise Pressure Distribution, Real, Configuration 5

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.2479

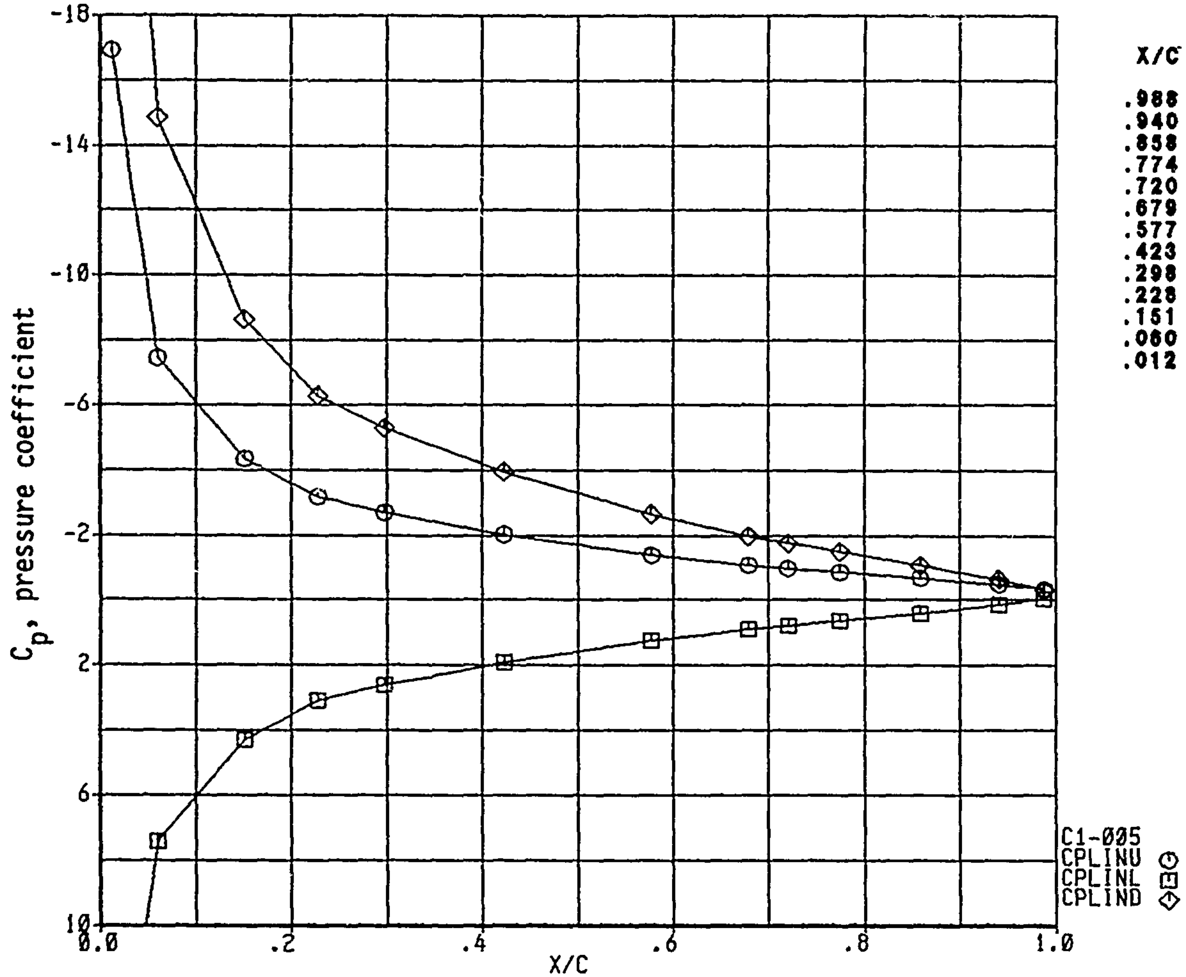



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2755 | 0.0026 | -.2781 |
| .940 | -.4300 | 0.1731 | -.6031 |
| .858 | -.6381 | 0.4147 | -1.053 |
| .775 | -.8458 | 0.6573 | -1.503 |
| .720 | -.9804 | 0.8126 | -1.793 |
| .679 | -1.089 | 0.9349 | -2.023 |
| .578 | -1.409 | 1.2849 | -2.693 |
| .423 | -2.013 | 1.9228 | -3.936 |
| .298 | -2.618 | 2.5479 | -5.166 |
| .228 | -3.059 | 2.9982 | -6.057 |
| .151 | -4.131 | 4.0797 | -8.211 |
| .060 | -6.981 | 6.9387 | -13.92 |
| .012 | -15.78 | 15.739 | -31.52 |

06-MAY-80 17:01:57

Figure 466, Chordwise Pressure Distribution, Real, Configuration 5

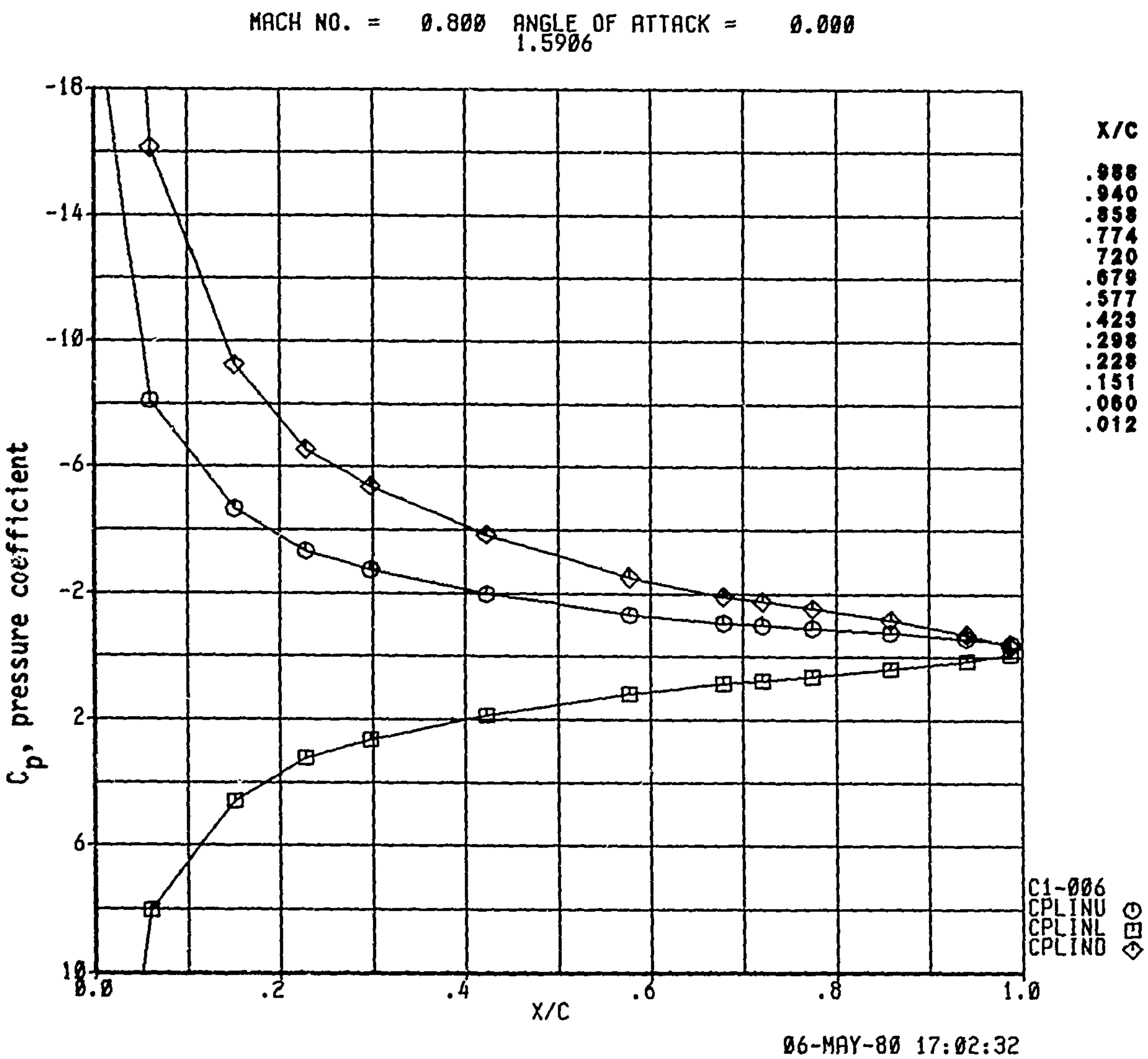
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3282 | -.0313 | -.2969 |
| .940 | -.4804 | 0.1521 | -.6325 |
| .858 | -.6752 | 0.4017 | -1.077 |
| .774 | -.8651 | 0.6424 | -1.508 |
| .720 | -.9839 | 0.7892 | -1.773 |
| .679 | -1.081 | 0.9051 | -1.986 |
| .577 | -1.393 | 1.2538 | -2.647 |
| .423 | -2.027 | 1.9267 | -3.954 |
| .298 | -2.689 | 2.6105 | -5.299 |
| .228 | -3.180 | 3.1117 | -6.292 |
| .151 | -4.351 | 4.2913 | -8.642 |
| .060 | -7.454 | 7.4044 | -14.86 |
| .012 | -16.93 | 16.882 | -33.81 |

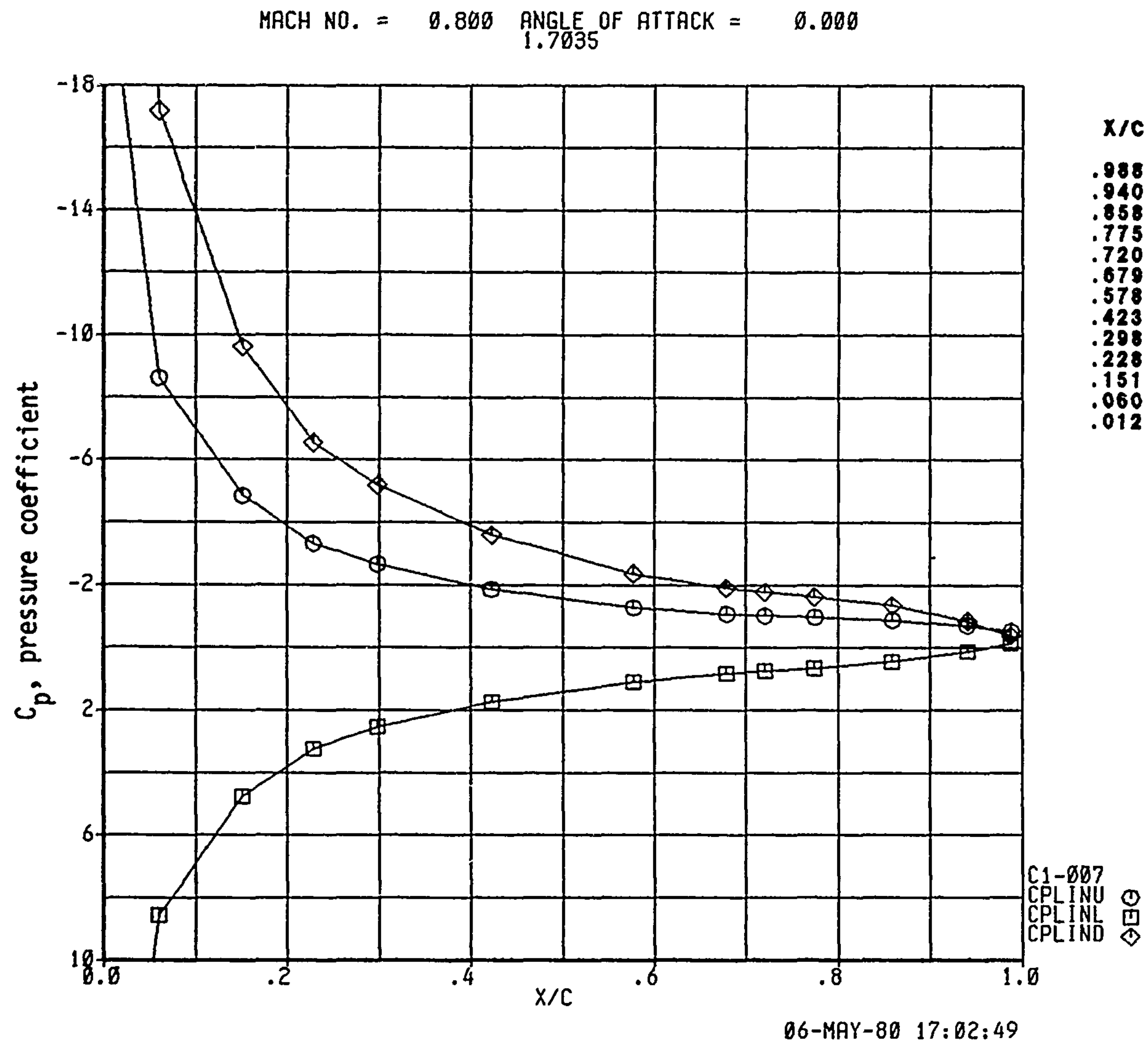
06-MAY-80 17:02:15

Figure 467, Chordwise Pressure Distribution, Real, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.4318 | -.0994 | -.3323 |
| .940 | -.5837 | 0.1229 | -.7066 |
| .858 | -.7564 | 0.3983 | -1.155 |
| .774 | -.9048 | 0.6281 | -1.533 |
| 720 | -.9911 | 0.7553 | -1.746 |
| .679 | -1.064 | 0.8540 | -1.918 |
| .577 | -1.330 | 1.1681 | -2.498 |
| .423 | -1.983 | 1.8685 | -3.851 |
| .298 | -2.736 | 2.6459 | -5.382 |
| .228 | -3.315 | 3.2349 | -6.549 |
| .151 | -4.657 | 4.5878 | -9.245 |
| .060 | -8.096 | 8.0368 | -16.13 |
| .012 | -18.46 | 18.402 | -36.86 |

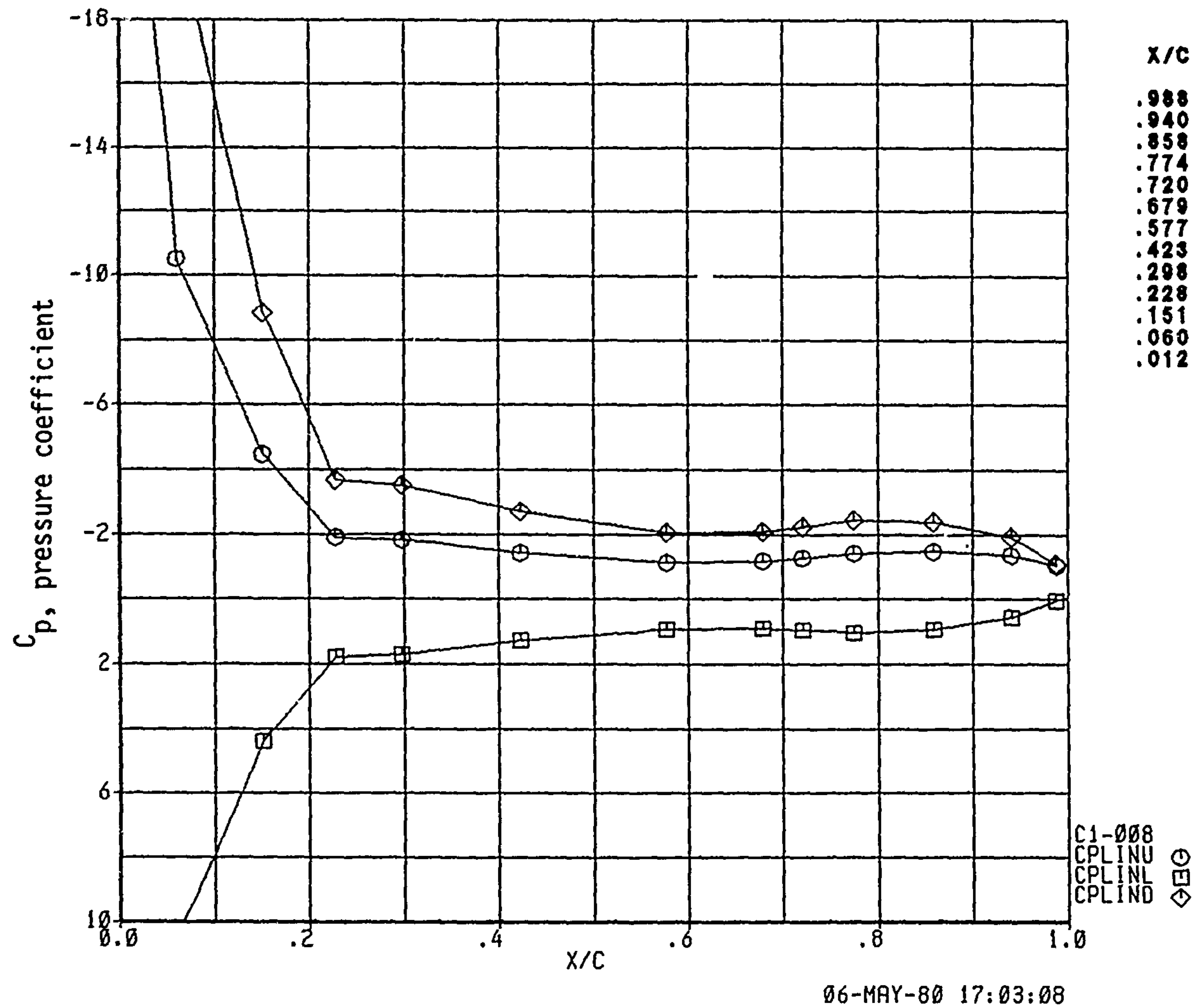
Figure 468, Chordwise Pressure Distribution, Real, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.5408 | -.1438 | -.3970 |
| .940 | -.7120 | 0.1381 | -.8501 |
| .858 | -.8788 | 0.4554 | -1.334 |
| .775 | -.9680 | 0.6532 | -1.621 |
| .720 | -1.018 | 0.7547 | -1.773 |
| .679 | -1.065 | 0.8327 | -1.897 |
| .578 | -1.265 | 1.0898 | -2.355 |
| .423 | -1.857 | 1.7333 | -3.590 |
| .298 | -2.640 | 2.5429 | -5.183 |
| .228 | -3.316 | 3.2290 | -6.545 |
| .151 | -4.850 | 4.7733 | -9.623 |
| .060 | -8.629 | 8.5626 | -17.19 |
| .012 | -19.60 | 19.543 | -39.15 |

Figure 469, Chordwise Pressure Distribution, Real, Configuration 5

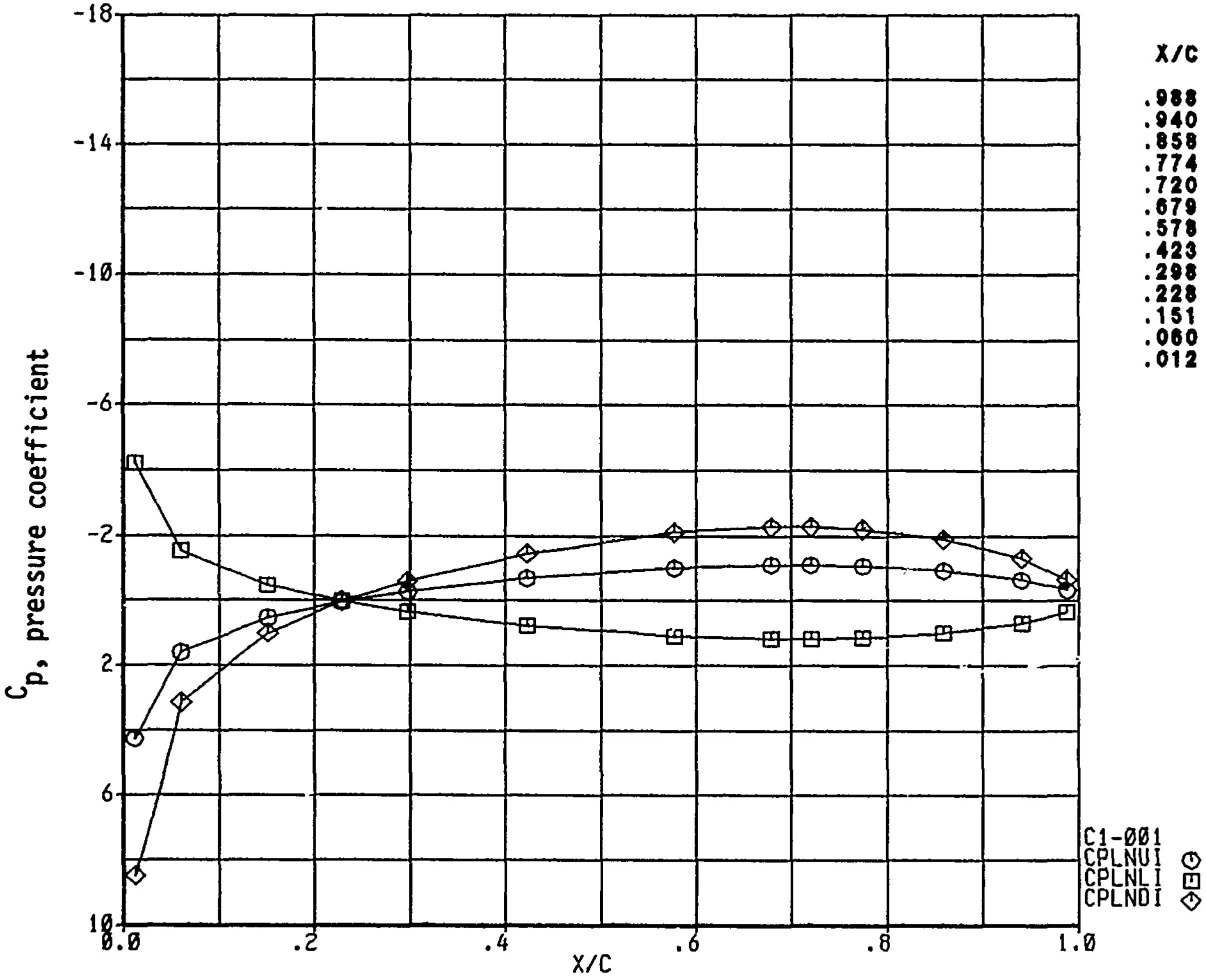
MACH NO. = 0.800 ANGLE OF ATTACK = 0.00
1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -1.043 | 0.0426 | -1.086 |
| .940 | -1.360 | 0.5600 | -1.919 |
| .858 | -1.474 | 0.9256 | -2.399 |
| .774 | -1.409 | 1.0314 | -2.440 |
| .720 | -1.267 | 0.9638 | -2.231 |
| .679 | -1.170 | 0.9088 | -2.079 |
| .577 | -1.123 | 0.9312 | -2.054 |
| .423 | -1.419 | 1.2839 | -2.703 |
| .298 | -1.819 | 1.7111 | -3.530 |
| .228 | -1.890 | 1.7926 | -3.682 |
| .151 | -4.473 | 4.3864 | -8.860 |
| .060 | -10.52 | 10.445 | -20.97 |
| .012 | -25.51 | 25.441 | -50.96 |

Figure 470, Chordwise Pressure Distribution, Real, Configuration 5

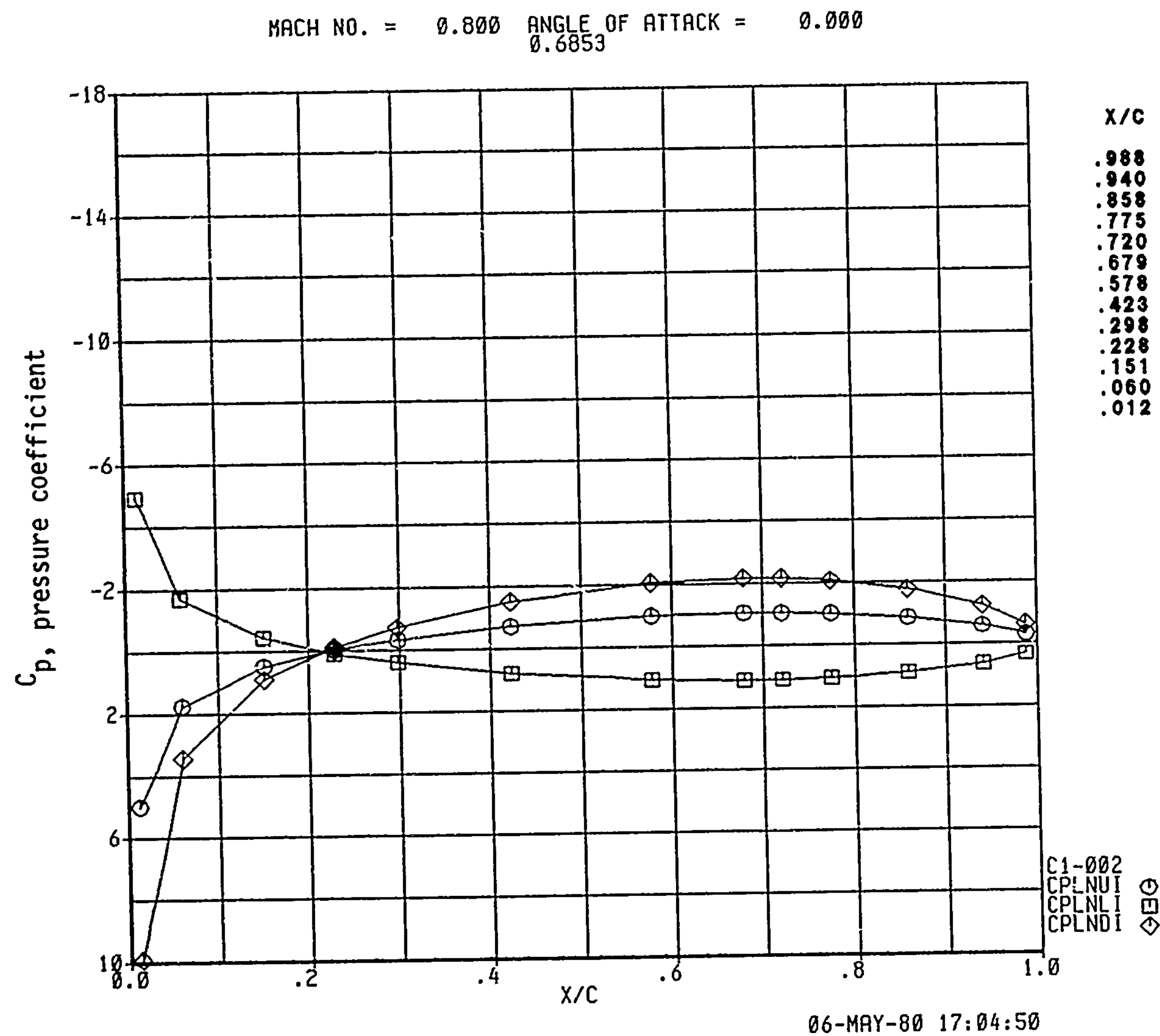
MACH NO. = Ø.8ØØ ANGLE OF ATTACK = Ø.ØØØ
Ø.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3227 | 0.3480 | -.6707 |
| .940 | -.6419 | 0.6737 | -1.316 |
| .858 | -.9314 | 0.9735 | -1.905 |
| .774 | -1.082 | 1.1323 | -2.214 |
| .720 | -1.111 | 1.1655 | -2.276 |
| .679 | -1.108 | 1.1658 | -2.274 |
| .578 | -1.023 | 1.0855 | -2.109 |
| .423 | -.7017 | 0.7664 | -1.468 |
| .298 | -.2685 | 0.3323 | -.6009 |
| .228 | 0.0416 | 0.0208 | 0.0208 |
| .151 | 0.5278 | -.4676 | 0.9954 |
| .060 | 1.6072 | -1.550 | 3.1574 |
| .012 | 4.2683 | -4.213 | 8.4816 |

Ø6-MAY-8Ø 17:Ø4:26

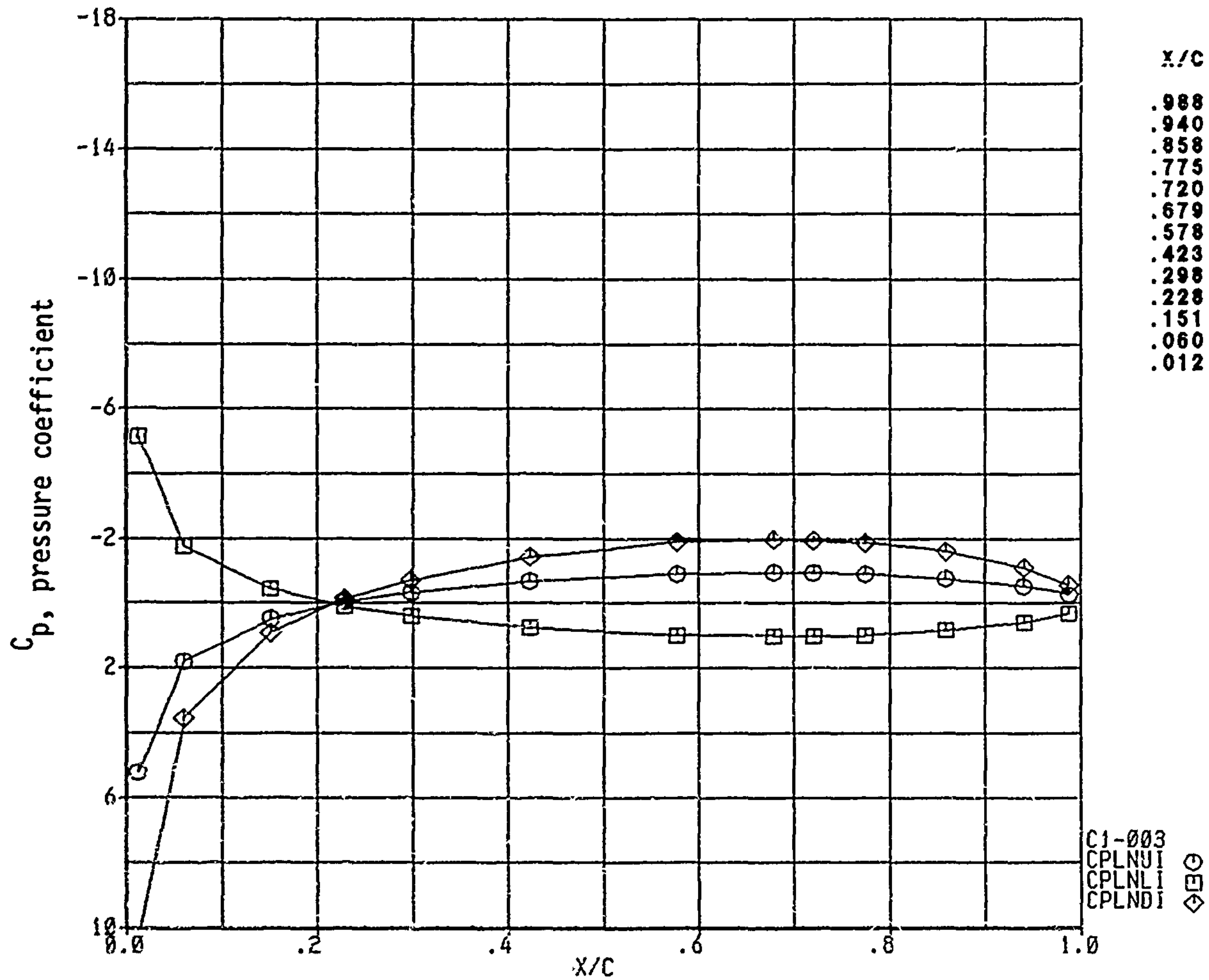
Figure 471, Chordwise Pressure Distribution, Imaginary, Configuration 5




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2986 | 0.3304 | -.6290 |
| .940 | -.5958 | 0.6338 | -1.230 |
| .858 | -.8655 | 0.9128 | -1.778 |
| .775 | -1.009 | 1.0633 | -2.072 |
| .720 | -1.043 | 1.1008 | -2.144 |
| .679 | -1.049 | 1.1088 | -2.158 |
| .578 | -.9911 | 1.0538 | -2.045 |
| .423 | -.7226 | 0.7871 | -1.510 |
| .298 | -.3304 | 0.3945 | -.7248 |
| .228 | -.0299 | 0.0932 | -.1231 |
| .151 | 0.4889 | -.4270 | 0.9158 |
| .060 | 1.7521 | -1.692 | 3.4445 |
| .012 | 4.9866 | -4.928 | 9.9147 |

Figure 472, Chordwise Pressure Distribution, Imaginary, Configuration 5

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968

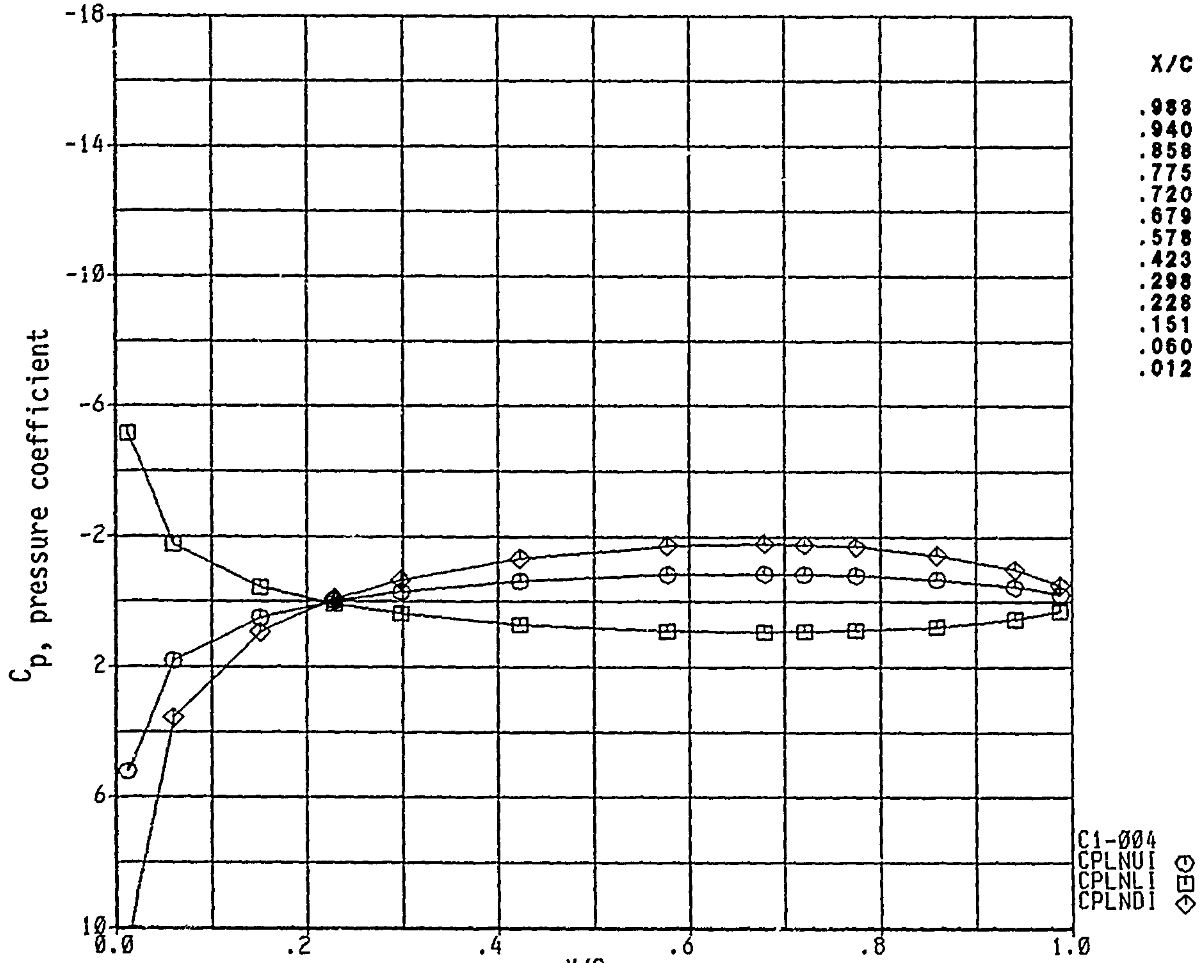



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2615 | 0.3068 | -.5682 |
| .940 | -.5297 | 0.5808 | -1.110 |
| .858 | -.7749 | 0.8333 | -1.608 |
| .775 | -.9097 | 0.9724 | -1.882 |
| .720 | -.9455 | 1.0098 | -1.955 |
| .679 | -.9556 | 1.0205 | -1.976 |
| .578 | -.9164 | 0.9819 | -1.898 |
| .423 | -.6871 | 0.7521 | -1.439 |
| .298 | -.3254 | 0.3894 | -.7148 |
| .228 | -.0355 | 0.0989 | -.1344 |
| .151 | 0.4907 | -.4284 | 0.9191 |
| .060 | 1.8106 | -1.750 | 3.5602 |
| .012 | 5.2152 | -5.155 | 10.370 |

06-MAY-80 17:05:55

Figure 473, Chordwise Pressure Distribution, Imaginary, Configuration 5

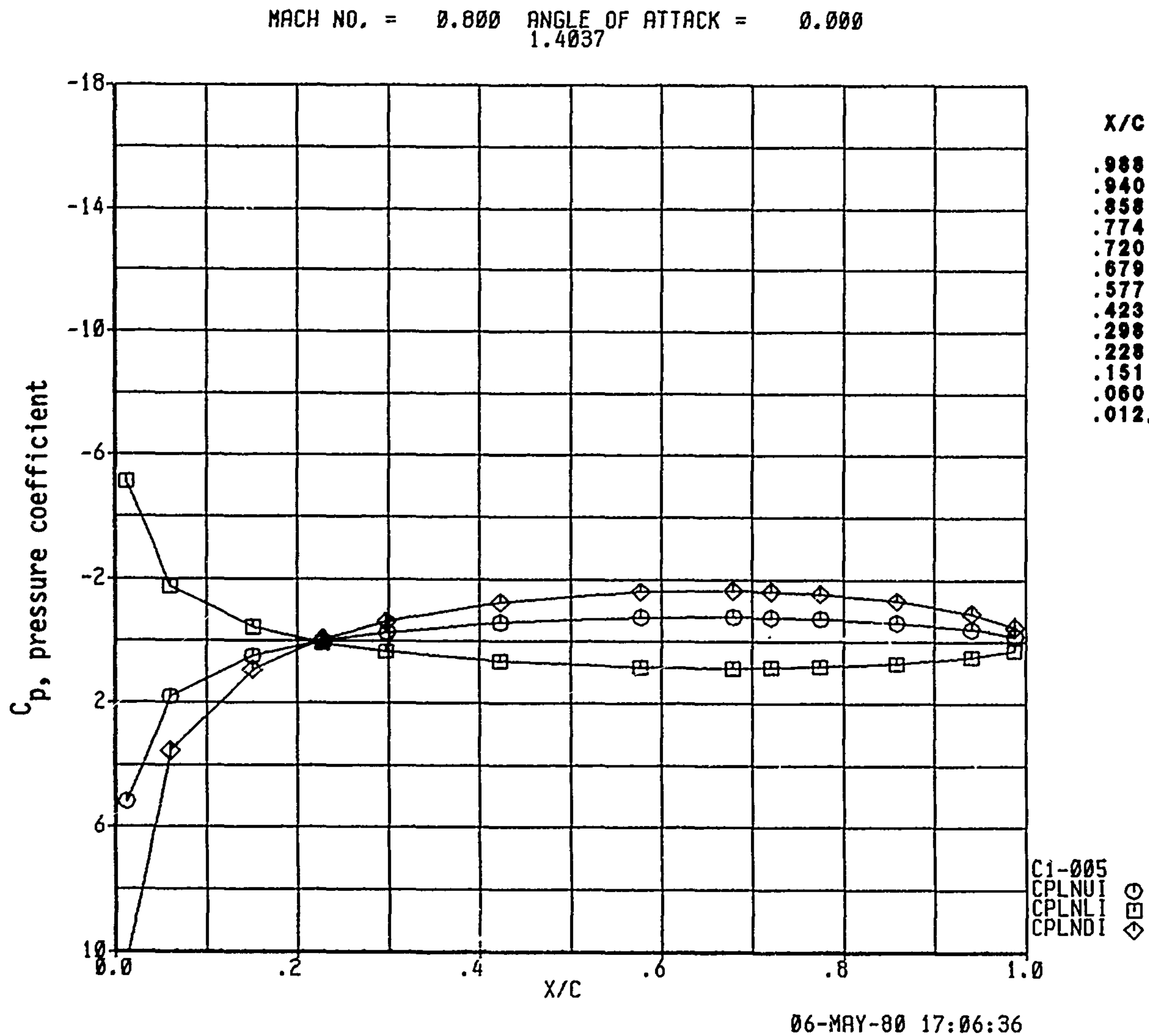
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2186 | 0.2893 | -.5079 |
| .940 | -.4580 | 0.5326 | -.9906 |
| .858 | -.6788 | 0.7560 | -1.435 |
| .775 | -.8057 | 0.8818 | -1.687 |
| .720 | -.8425 | 0.9171 | -1.759 |
| .679 | -.8550 | 0.9282 | -1.783 |
| .578 | -.8289 | 0.8989 | -1.728 |
| .423 | -.6315 | 0.6977 | -1.329 |
| .298 | -.2967 | 0.3606 | -.6573 |
| .228 | -.0175 | 0.0804 | -.0979 |
| .151 | 0.4989 | -.4369 | 0.9358 |
| .060 | 1.8131 | -1.752 | 3.5653 |
| .012 | 5.2191 | -5.159 | 10.378 |

06-MAY-80 17:06:16

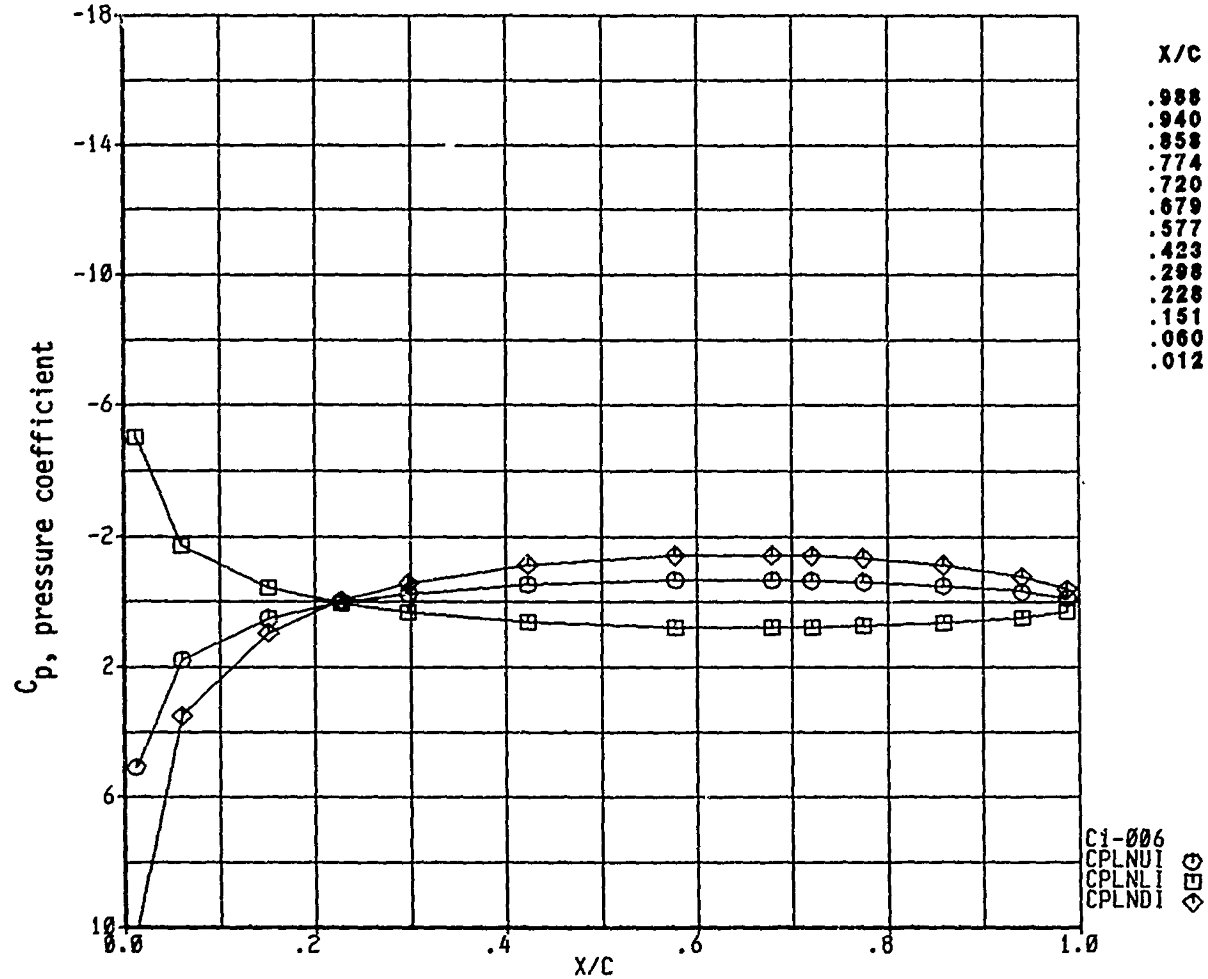
Figure 474, Chordwise Pressure Distribution, Imaginary, Configuration 5




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.1835 | 0.2826 | -.4661 |
| .940 | -.4036 | 0.5027 | -.9063 |
| .858 | -.6080 | 0.7032 | -1.311 |
| .774 | -.7298 | 0.8181 | -1.548 |
| .720 | -.7673 | 0.8510 | -1.618 |
| .679 | -.7819 | 0.8623 | -1.644 |
| .577 | -.7653 | 0.8390 | -1.604 |
| .423 | -.5904 | 0.6575 | -1.248 |
| .298 | -.2758 | 0.3396 | -.6155 |
| .228 | -.0053 | 0.0678 | -.0731 |
| .151 | 0.5033 | -.4420 | 0.9453 |
| .060 | 1.8055 | -1.745 | 3.5509 |
| .012 | 5.1772 | -5.118 | 10.295 |

Figure 475, Chordwise Pressure Distribution, Imaginary, Configuration 5

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.5906

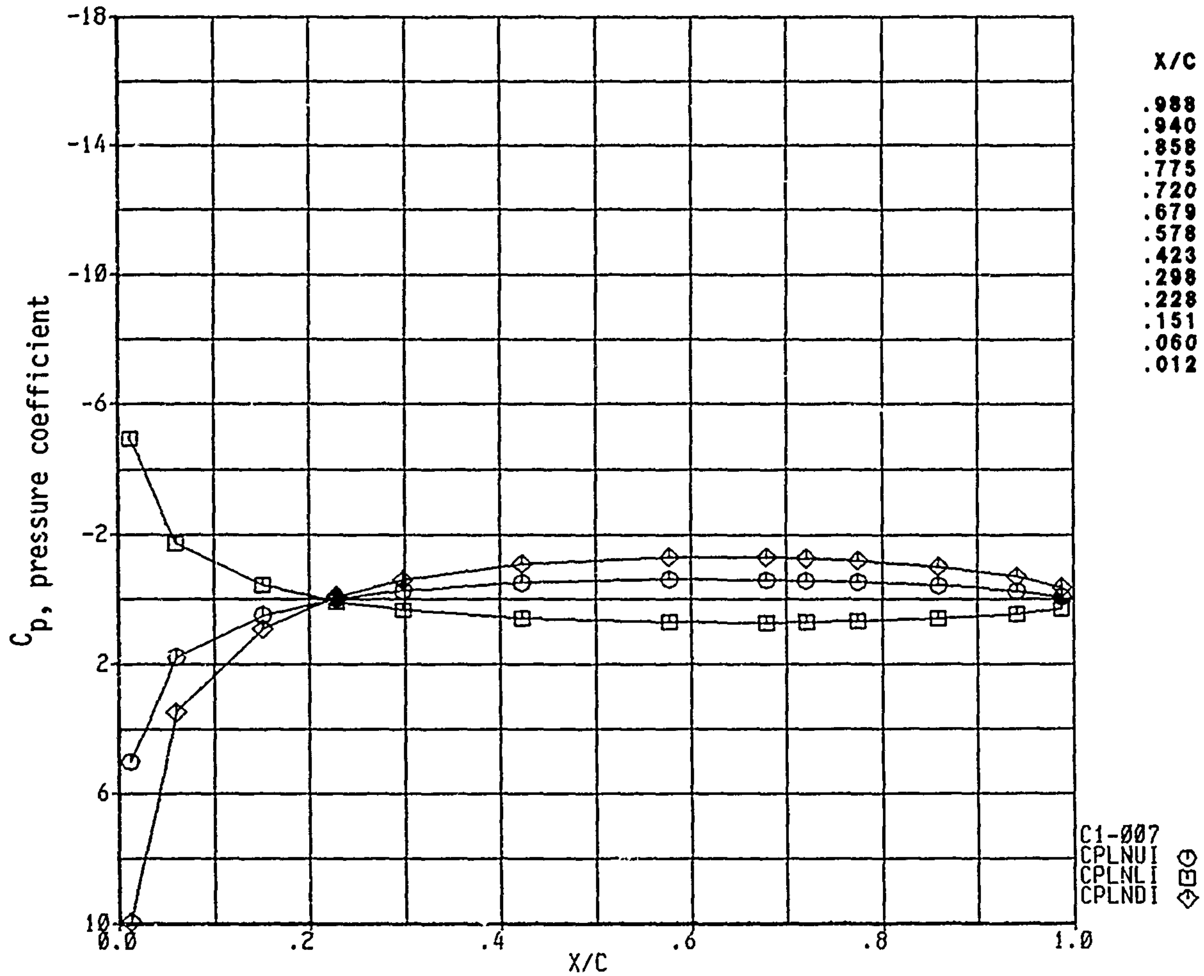



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1243 | 0.2828 | -.4070 |
| .940 | -.3208 | 0.4679 | -.7887 |
| .858 | -.5056 | 0.6322 | -1.138 |
| .774 | -.6216 | 0.7296 | -1.351 |
| .720 | -.6600 | 0.7579 | -1.418 |
| .679 | -.6779 | 0.7692 | -1.447 |
| .577 | -.6780 | 0.7569 | -1.435 |
| .423 | -.5415 | 0.6095 | -1.151 |
| .298 | -.2556 | 0.3190 | -.5746 |
| .228 | 0.0027 | 0.0588 | -.0561 |
| .151 | 0.5024 | -.4423 | 0.9446 |
| .060 | 1.7831 | -1.724 | 3.5075 |
| .012 | 5.0813 | -5.023 | 10.104 |

06-MAY-80 17:06:53

Figure 476, Chordwise Pressure Distribution, Imaginary, Configuration 5

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.7035



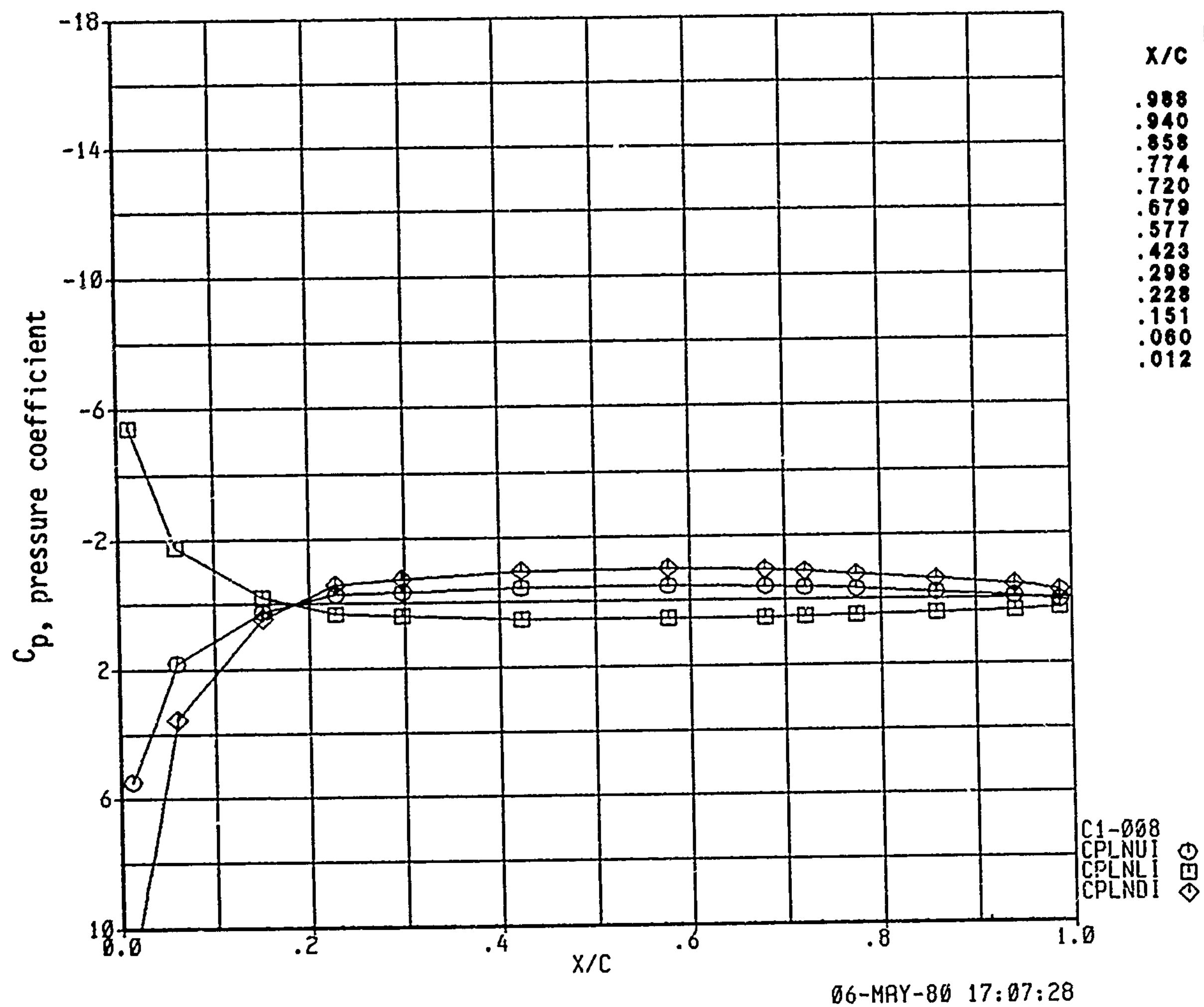

PRESSURE COEFFICIENT

| X/C | UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0733 | 0.2887 | -.3619 |
| .940 | -.2539 | 0.4442 | -.6982 |
| .858 | -.4246 | 0.5769 | -1.002 |
| .775 | -.5376 | 0.6597 | -1.197 |
| .720 | -.5782 | 0.6853 | -1.264 |
| .679 | -.5989 | 0.6969 | -1.296 |
| .578 | -.6120 | 0.6936 | -1.306 |
| .423 | -.5136 | 0.5815 | -1.095 |
| .298 | -.2633 | 0.3257 | -.5889 |
| .228 | -.0135 | 0.0739 | -.0875 |
| .151 | 0.4877 | -.4289 | 0.9166 |
| .060 | 1.7701 | -1.713 | 3.4827 |
| .012 | 4.9984 | -4.942 | 9.9400 |

06-MAY-80 17:07:11

Figure 477, Chordwise Pressure Distribution, Imaginary, Configuration 5

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.0528 | 0.2928 | -.2400 |
| .940 | -.0733 | 0.3622 | -.4355 |
| .858 | -.2062 | 0.4158 | -.6219 |
| .774 | -.3195 | 0.4676 | -.7871 |
| .720 | -.3847 | 0.5049 | -.8896 |
| .679 | -.4167 | 0.5210 | -.9377 |
| .577 | -.4614 | 0.5417 | -1.003 |
| .423 | -.4469 | 0.5108 | -.9578 |
| .298 | -.3379 | 0.3957 | -.7336 |
| .228 | -.2651 | 0.3209 | -.5861 |
| .151 | 0.2486 | -.1943 | 0.4429 |
| .060 | 1.8058 | -1.753 | 3.5585 |
| .012 | 5.4727 | -5.420 | 10.893 |

Figure 478, Chordwise Pressure Distribution, Imaginary, Configuration 5

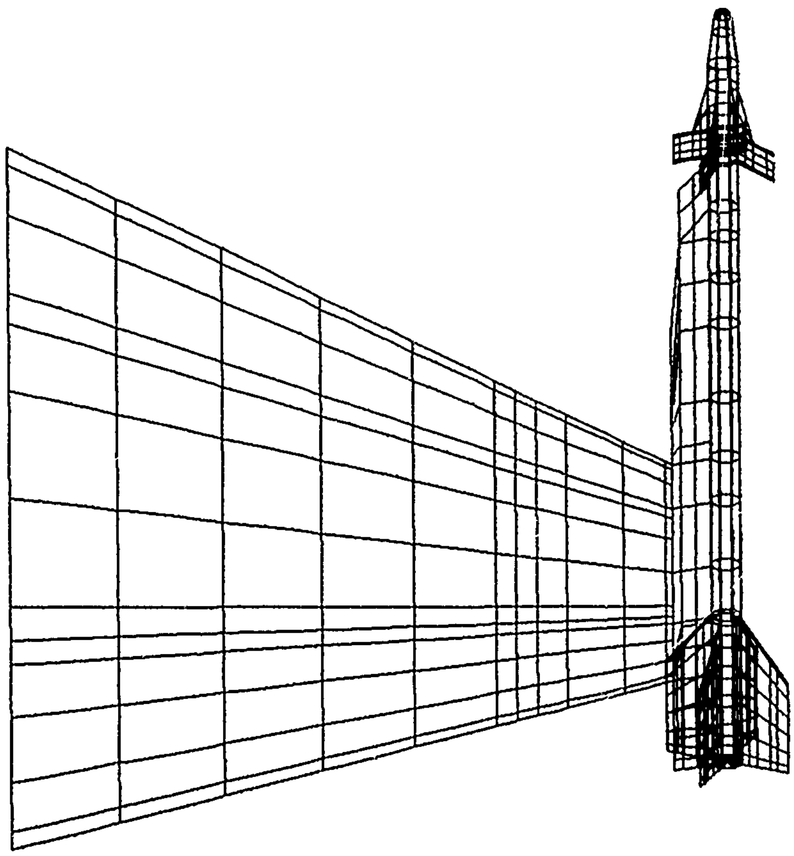
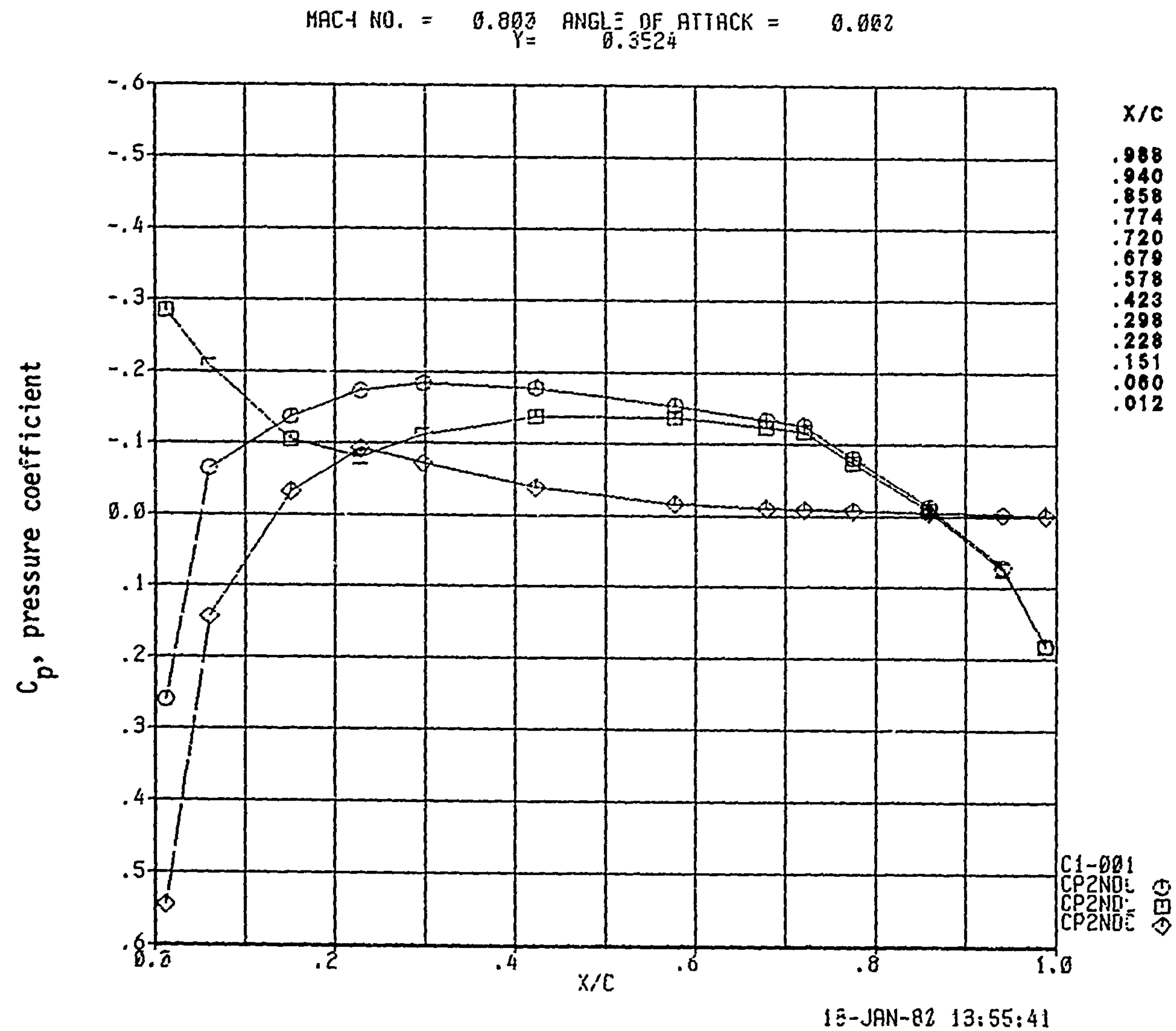


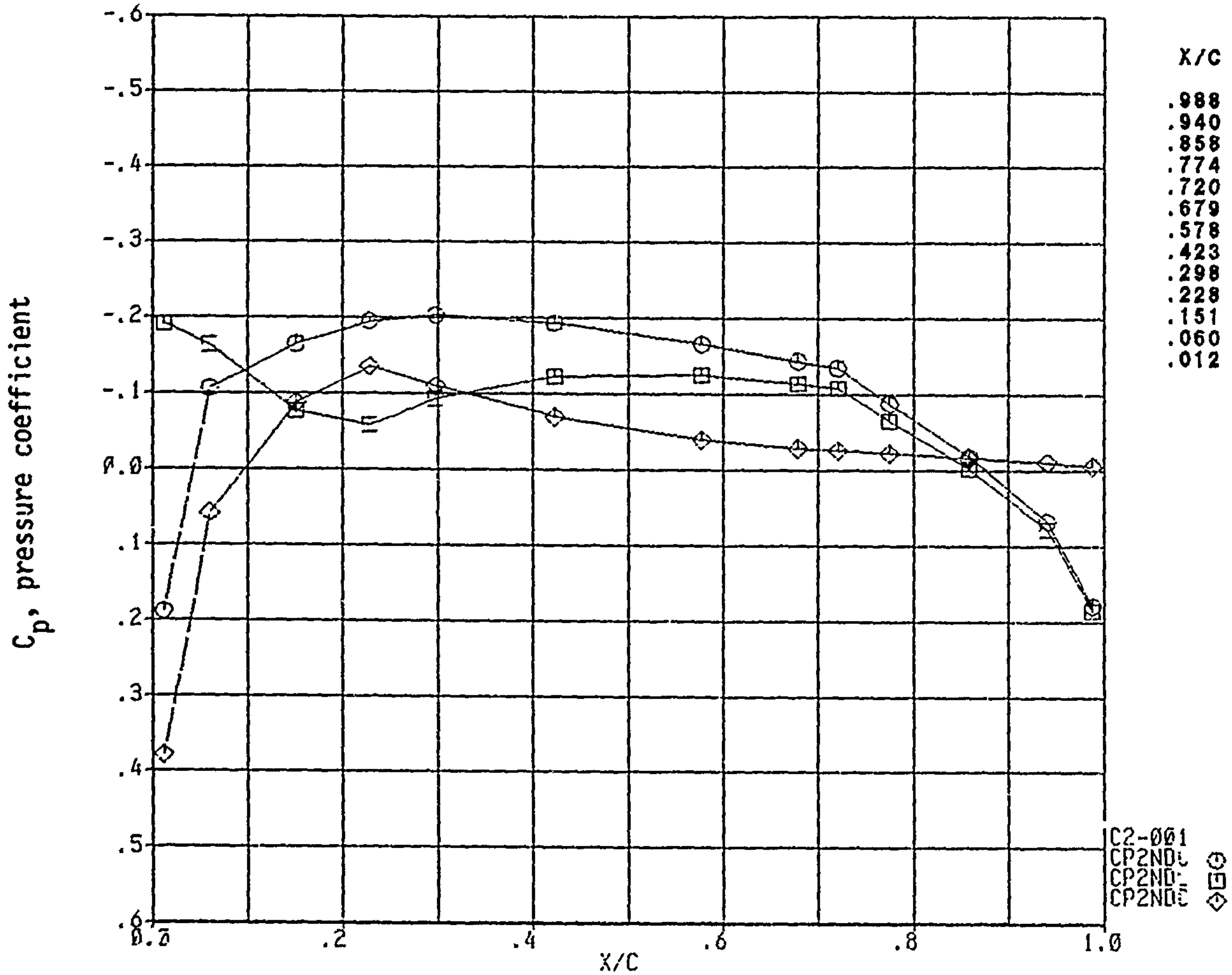
Figure 479, Configuration 6




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1813 | 0.1825 | -.0012 |
| .940 | 0.0713 | 0.0741 | -.0028 |
| .858 | -.0126 | -.0075 | -.0051 |
| .774 | -.0805 | -.0730 | -.0075 |
| .720 | -.1257 | -.1166 | -.0091 |
| .679 | -.1332 | -.1228 | -.0105 |
| .578 | -.1532 | -.1366 | -.0166 |
| .423 | -.1772 | -.1383 | -.0390 |
| .298 | -.1839 | -.1116 | -.0724 |
| .228 | -.1731 | -.0802 | -.0929 |
| .151 | -.1370 | -.1045 | -.0325 |
| .060 | -.0644 | -.2083 | 0.1439 |
| .012 | 0.2597 | -.2848 | 0.5445 |

Figure 480, Chordwise Pressure Distribution, Steady, Configuration 6

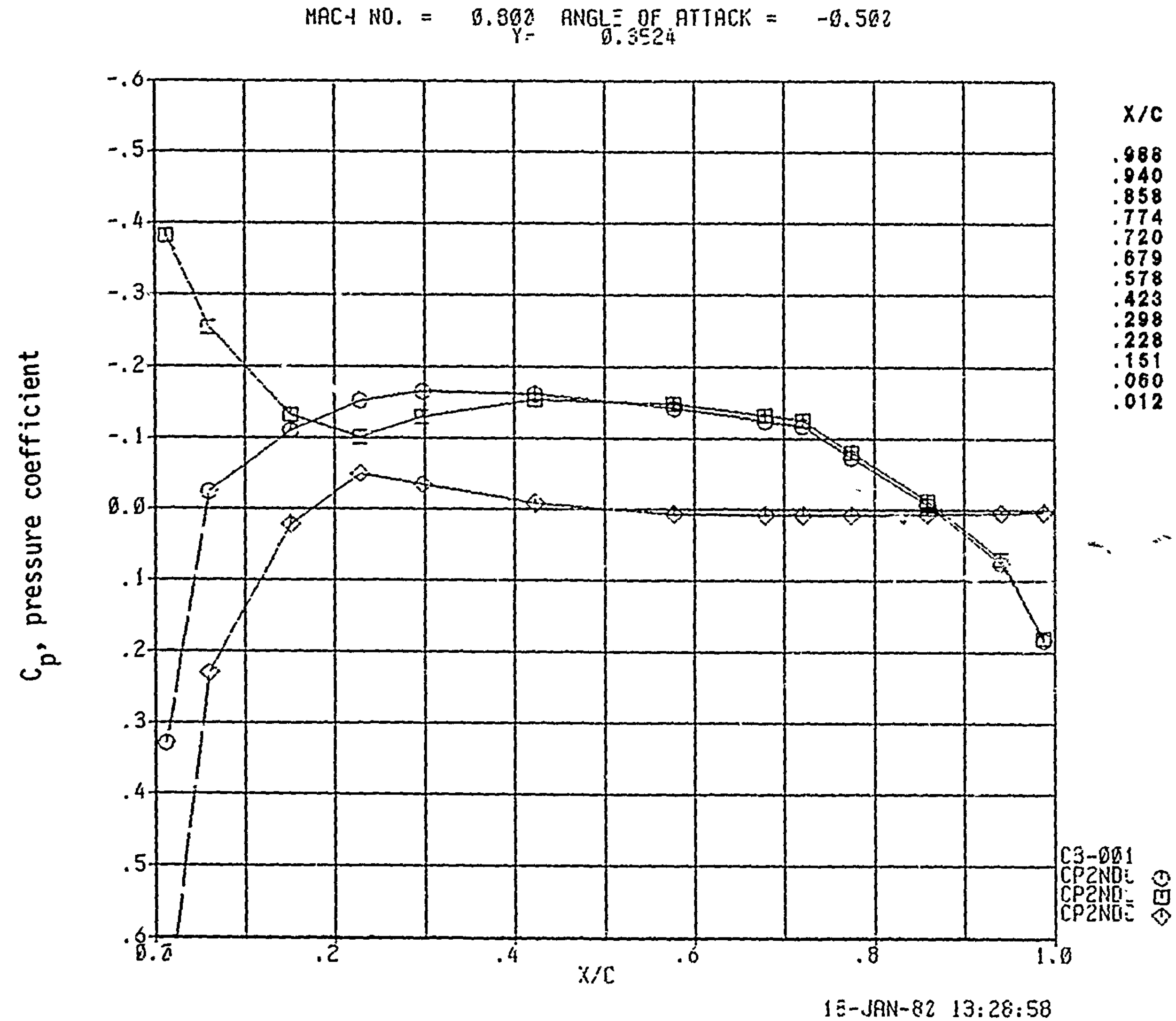
MACH NO. = 0.802 ANGLE OF ATTACK = 0.502
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1788 | 0.1847 | -.0059 |
| .940 | 0.0674 | 0.0778 | -.0104 |
| .858 | -.0184 | -.0018 | -.0166 |
| .774 | -.0881 | -.0655 | -.0226 |
| .720 | -.1344 | -.1082 | -.0262 |
| .679 | -.1427 | -.1136 | -.0290 |
| .578 | -.1649 | -.1252 | -.0397 |
| .423 | -.1929 | -.1230 | -.0699 |
| .298 | -.2030 | -.0929 | -.1102 |
| .228 | -.1943 | -.0589 | -.1354 |
| .151 | -.1641 | -.0769 | -.0872 |
| .060 | -.1056 | -.1636 | 0.0580 |
| .012 | 0.1874 | -.1909 | 0.3784 |

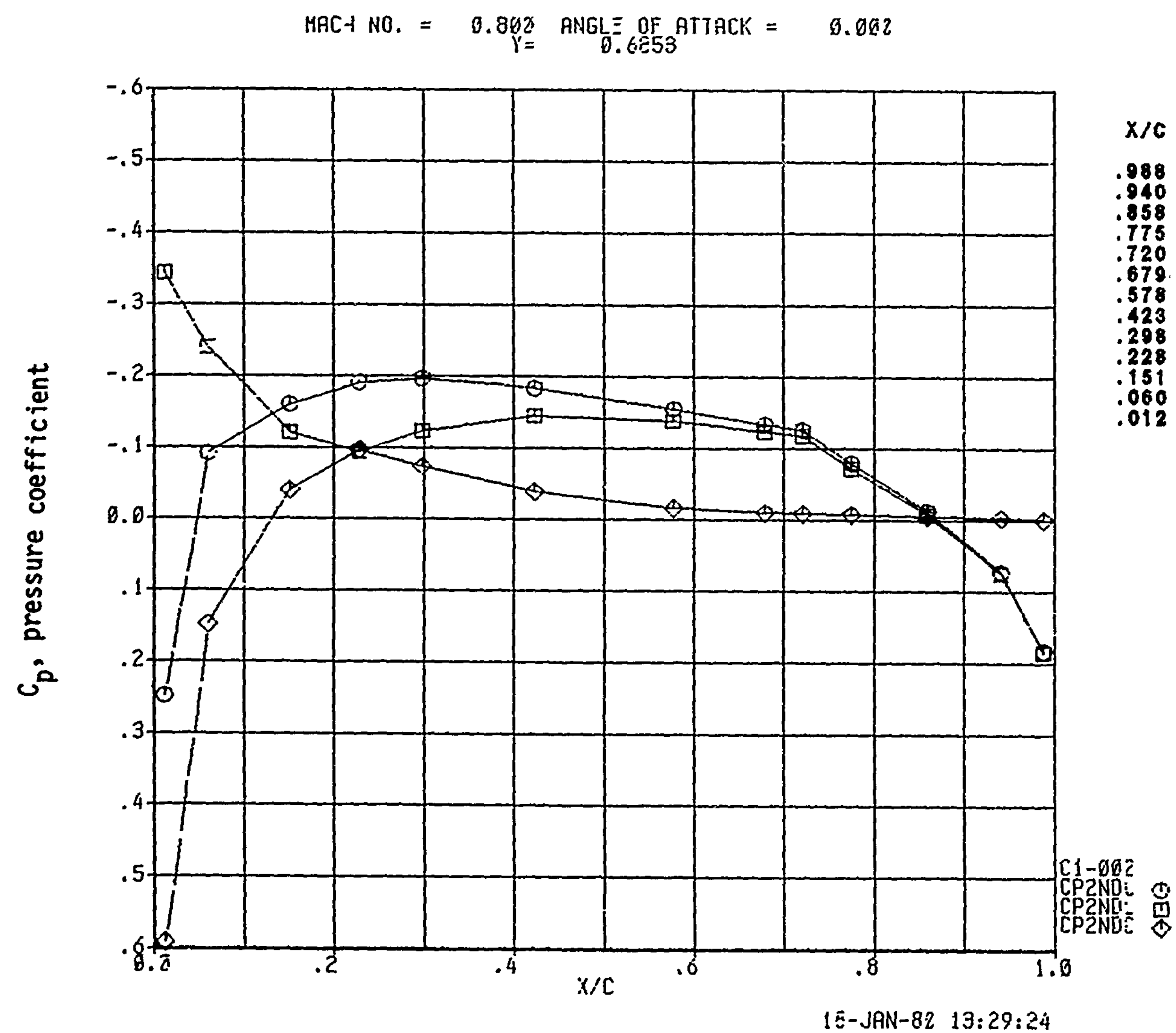
18-JAN-82 13:28:37

Figure 481, Chordwise Pressure Distribution, Steady, Configuration 6



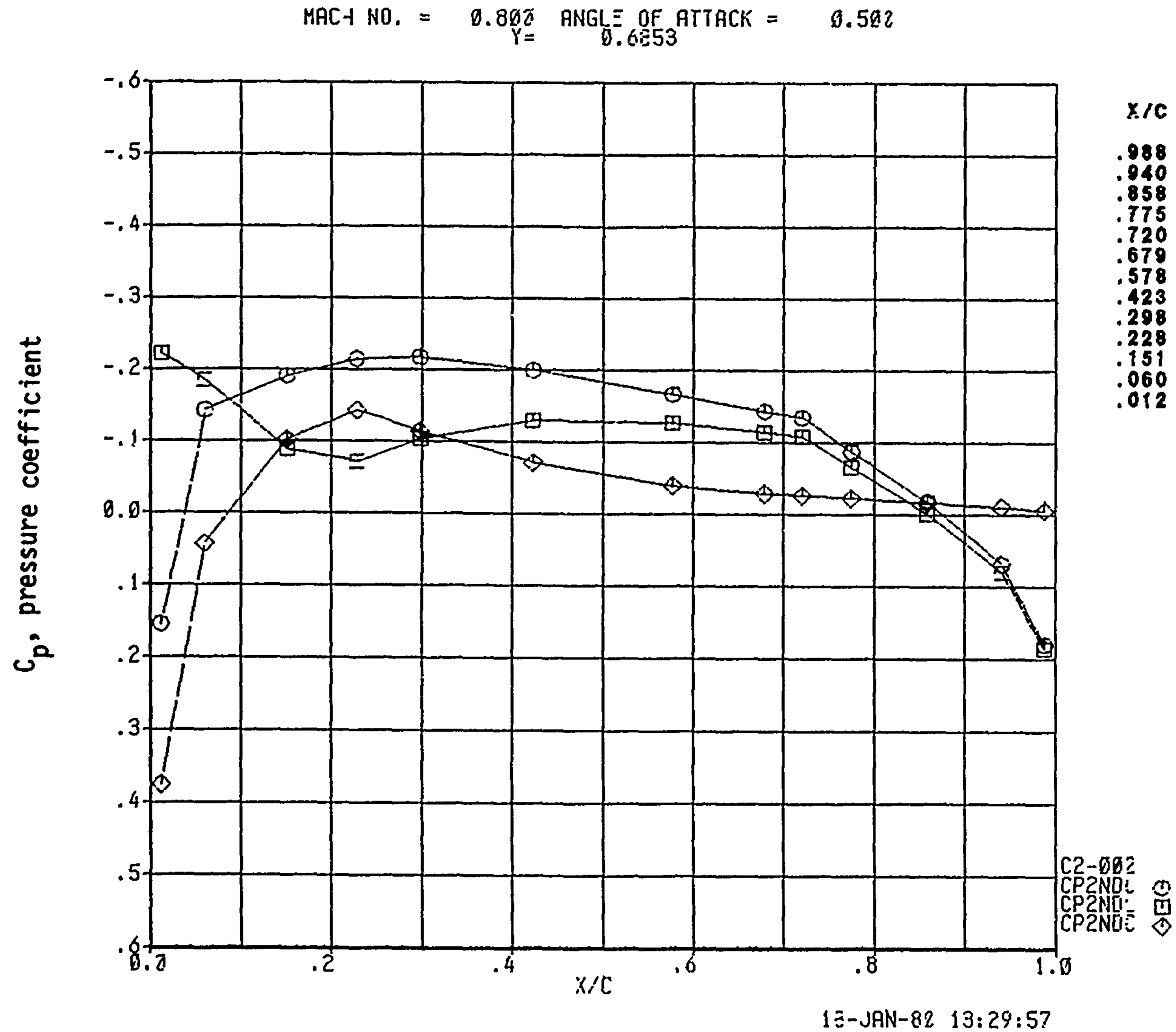

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1835 | 0.1801 | 0.0035 |
| .940 | 0.0751 | 0.0702 | 0.0049 |
| .858 | -.0069 | -.0133 | 0.0065 |
| .774 | -.0731 | -.0806 | 0.0076 |
| .720 | -.1173 | -.1253 | 0.0080 |
| .679 | -.1240 | -.1322 | 0.0082 |
| .578 | -.1417 | -.1482 | 0.0065 |
| .423 | -.1618 | -.1538 | -.0080 |
| .298 | -.1650 | -.1305 | -.0346 |
| .228 | -.1519 | -.1017 | -.0502 |
| .151 | -.1103 | -.1325 | 0.0222 |
| .060 | -.0239 | -.2537 | 0.2298 |
| .012 | 0.3286 | -.3820 | 0.7107 |

Figure 482, Chordwise Pressure Distribution, Steady, Configuration 6



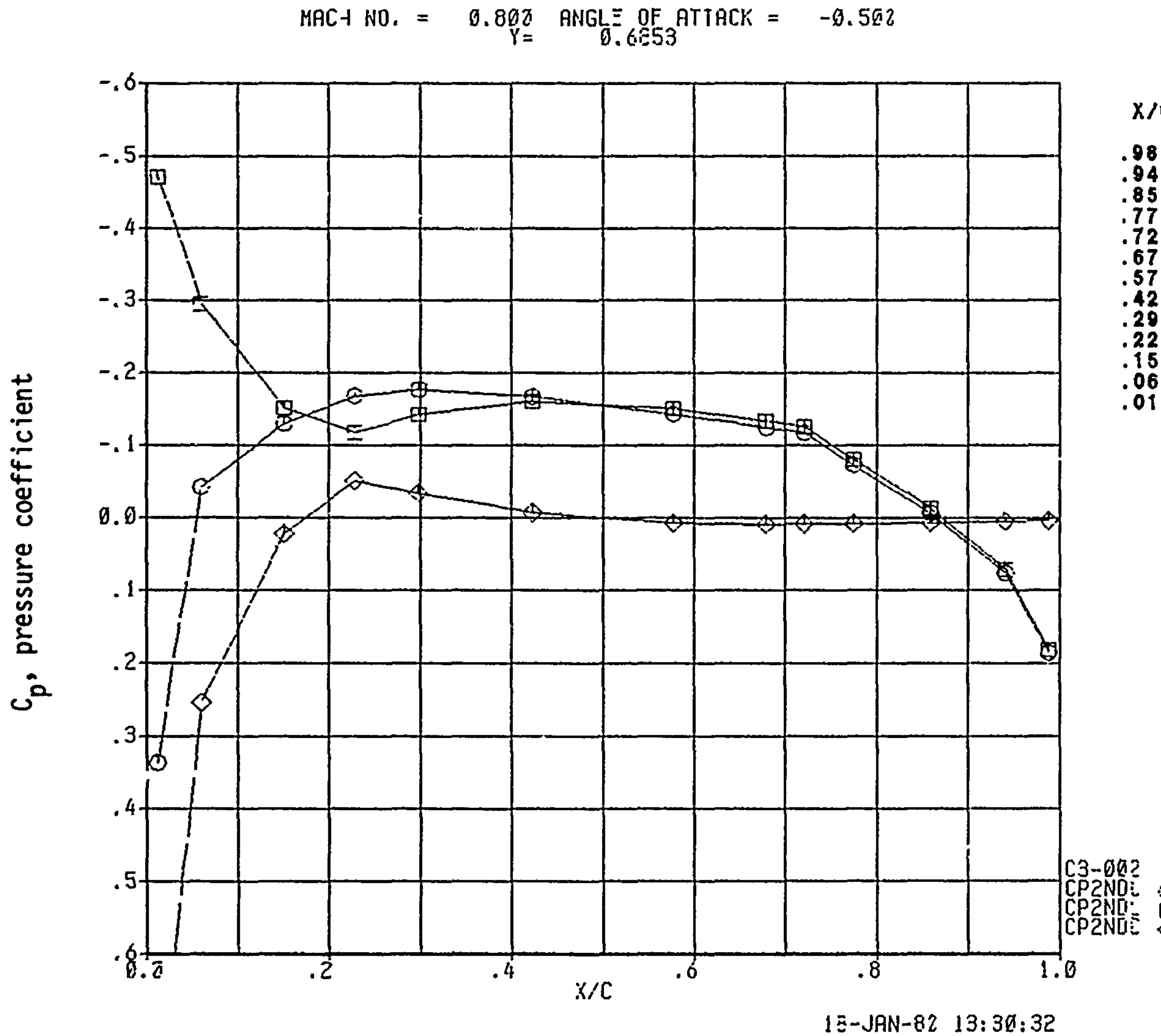

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1829 | 0.1841 | -.0012 |
| .940 | 0.0721 | 0.0749 | -.0028 |
| .858 | -.0119 | -.0069 | -.0050 |
| .775 | -.0799 | -.0725 | -.0074 |
| .720 | -.1256 | -.1166 | -.0090 |
| .679 | -.1336 | -.1234 | -.0102 |
| .578 | -.1548 | -.1385 | -.0162 |
| .423 | -.1832 | -.1446 | -.0388 |
| .298 | -.1968 | -.1230 | -.0738 |
| .228 | -.1910 | -.0946 | -.0964 |
| .151 | -.1600 | -.1201 | -.0398 |
| .060 | -.0915 | -.2397 | 0.1482 |
| .012 | 0.2479 | -.3435 | 0.5914 |

Figure 483, Chordwise Pressure Distribution, Steady, Configuration 6



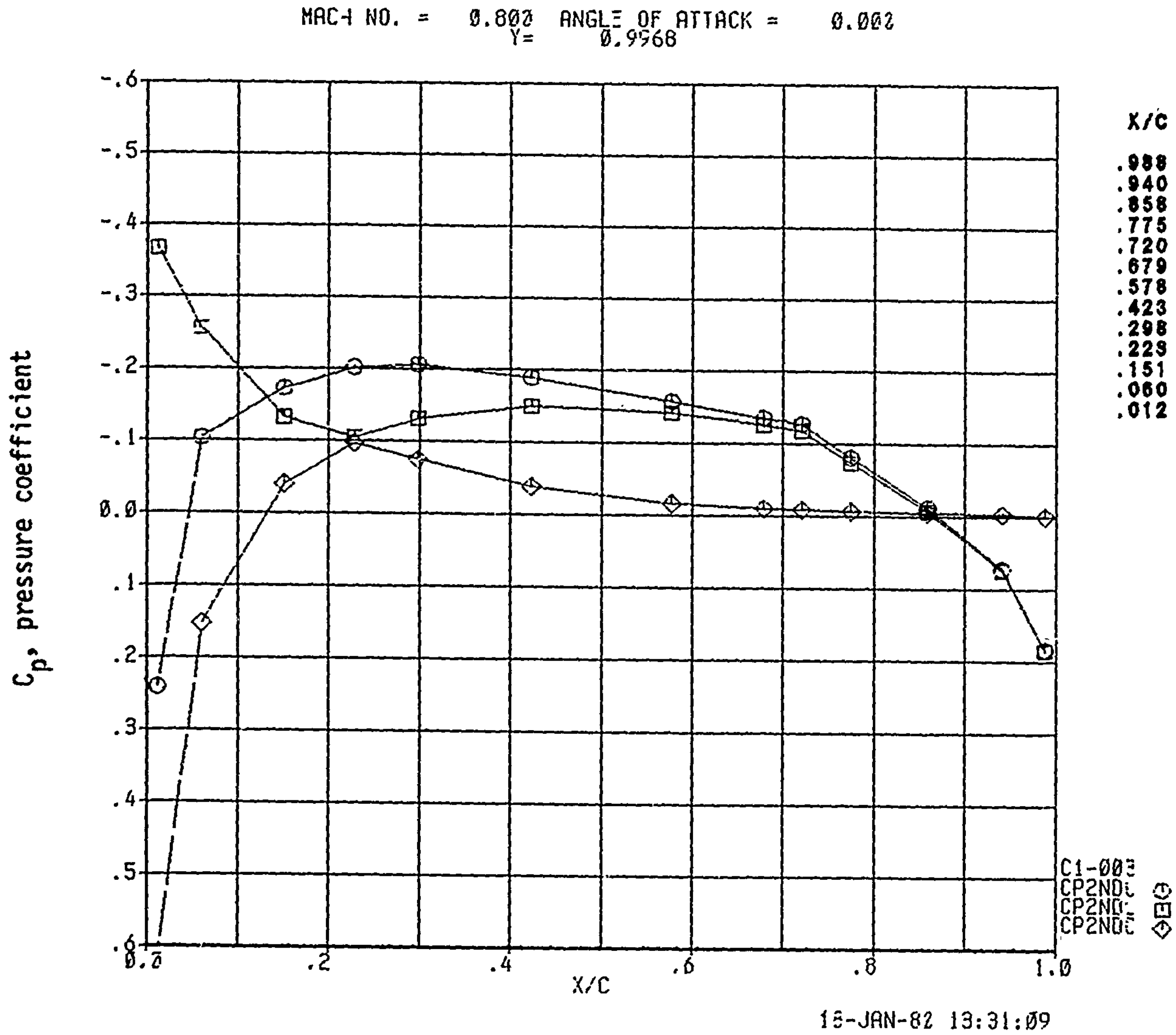

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1804 | 0.1864 | -.0061 |
| .940 | 0.0682 | 0.0787 | -.0105 |
| .858 | -.0178 | -.0011 | -.0167 |
| .775 | -.0876 | -.0650 | -.0226 |
| .720 | -.1343 | -.1082 | -.0261 |
| .679 | -.1431 | -.1141 | -.0289 |
| .578 | -.1665 | -.1269 | -.0396 |
| .423 | -.1994 | -.1288 | -.0705 |
| .298 | -.2170 | -.1032 | -.1136 |
| .228 | -.2141 | -.0717 | -.1424 |
| .151 | -.1908 | -.0889 | -.1019 |
| .060 | -.1422 | -.1850 | 0.0428 |
| .012 | 0.1543 | -.2210 | 0.3753 |

Figure 484, Chordwise Pressure Distribution, Steady, Configuration 6



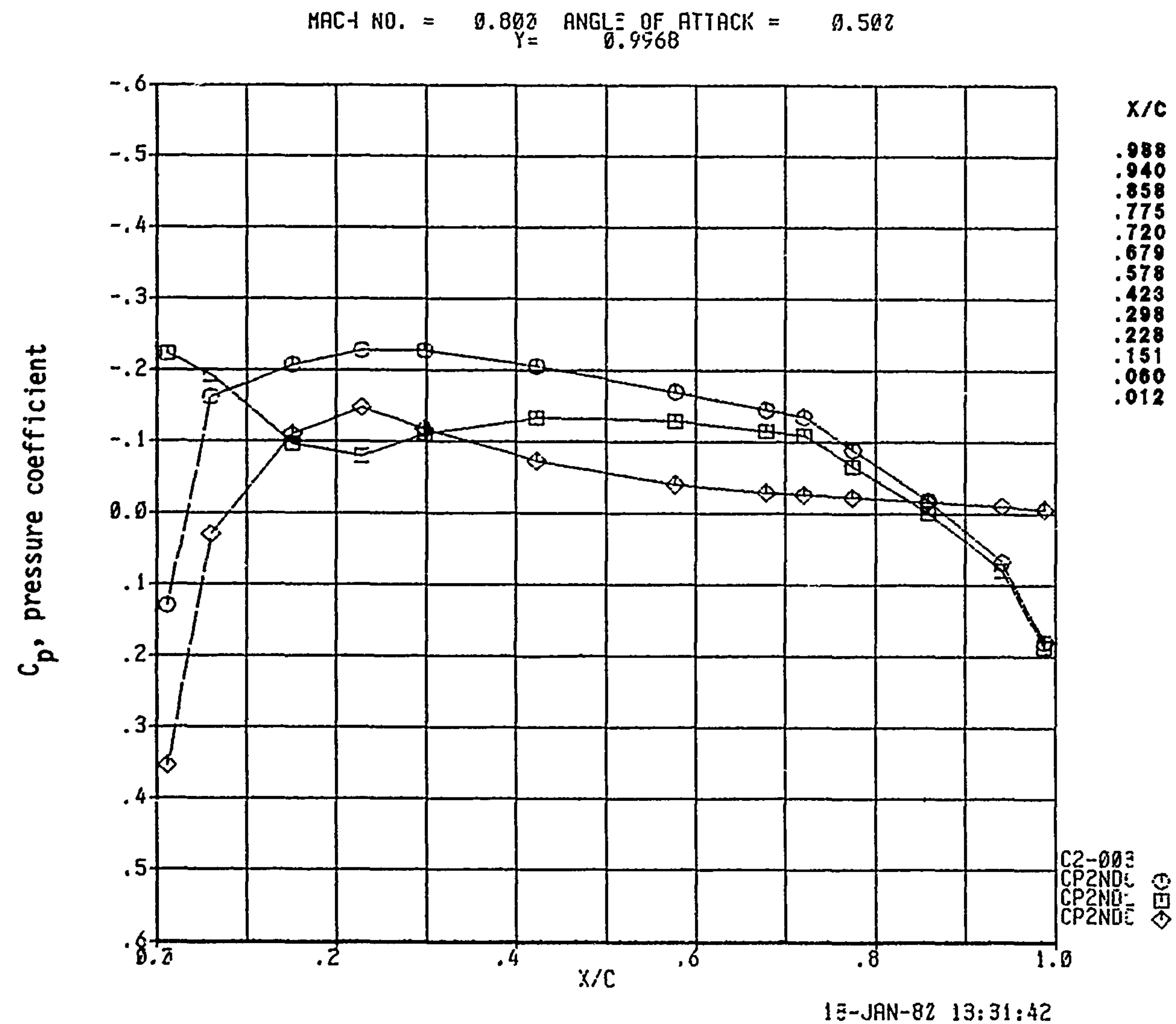

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1852 | 0.1816 | 0.0036 |
| .940 | 0.0759 | 0.0710 | 0.0050 |
| .858 | -.0061 | -.0128 | 0.0066 |
| .775 | -.0725 | -.0802 | 0.0077 |
| .720 | -.1172 | -.1253 | 0.0081 |
| .679 | -.1243 | -.1328 | 0.0084 |
| .578 | -.1431 | -.1503 | 0.0071 |
| .423 | -.1674 | -.1605 | -.0069 |
| .298 | -.1768 | -.1429 | -.0339 |
| .228 | -.1682 | -.1178 | -.0504 |
| .151 | -.1297 | -.1518 | 0.0221 |
| .060 | -.0420 | -.2956 | 0.2536 |
| .012 | 0.3363 | -.4713 | 0.8075 |

Figure 485, Chordwise Pressure Distribution, Steady, Configuration 6



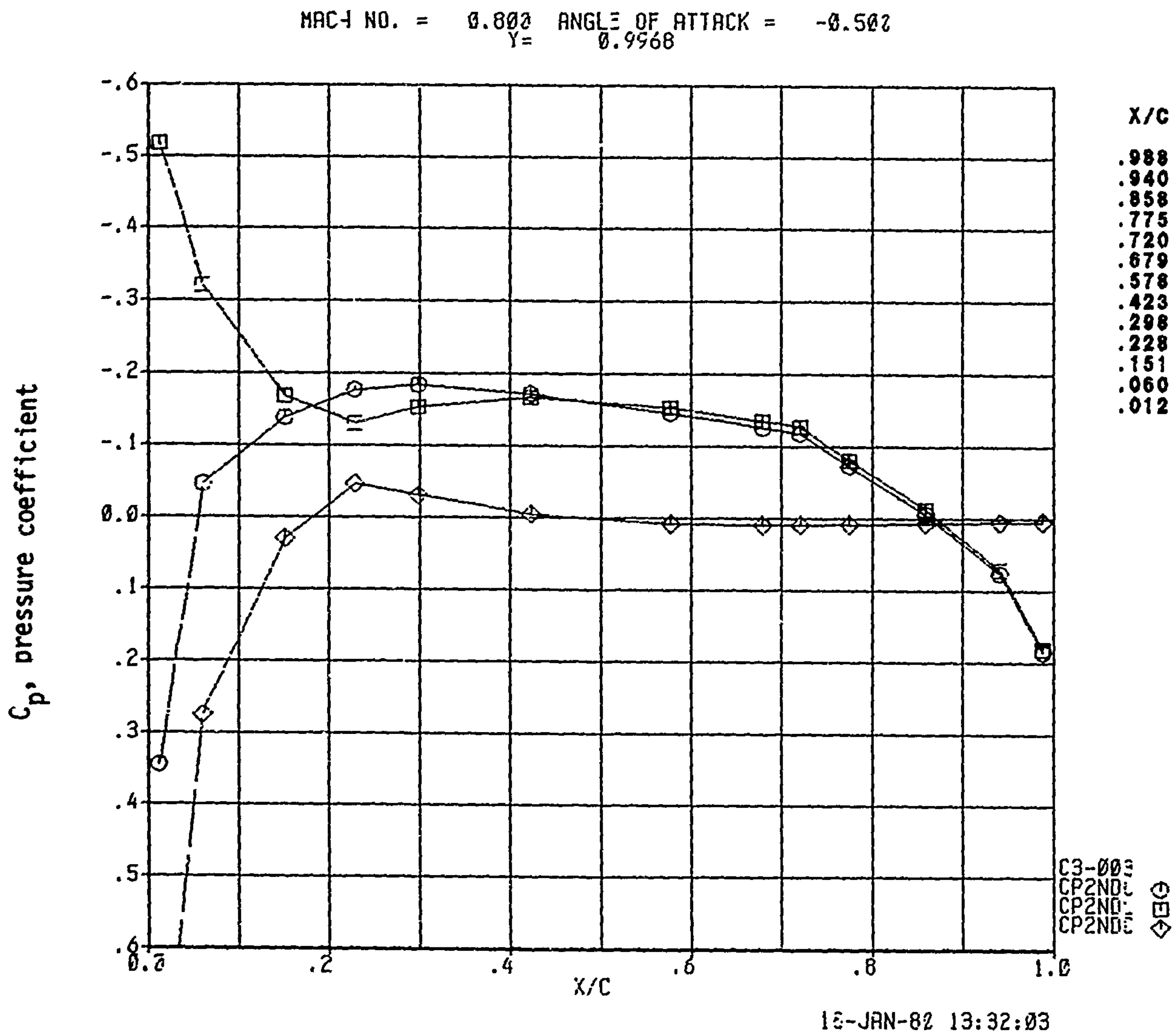

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1831 | 0.1843 | -.0012 |
| .940 | 0.0722 | 0.0750 | -.0028 |
| .858 | -.0122 | -.0072 | -.0050 |
| .775 | -.0806 | -.0732 | -.0073 |
| .720 | -.1266 | -.1177 | -.0089 |
| .679 | -.1349 | -.1247 | -.0102 |
| .578 | -.1572 | -.1409 | -.0163 |
| .423 | -.1886 | -.1497 | -.0390 |
| .298 | -.2055 | -.1313 | -.0742 |
| .229 | -.2017 | -.1049 | -.0967 |
| .151 | -.1722 | -.1319 | -.0402 |
| .060 | -.1033 | -.2558 | 0.1525 |
| .012 | 0.2403 | -.3669 | 0.6073 |

Figure 486, Chordwise Pressure Distribution, Steady, Configuration 6



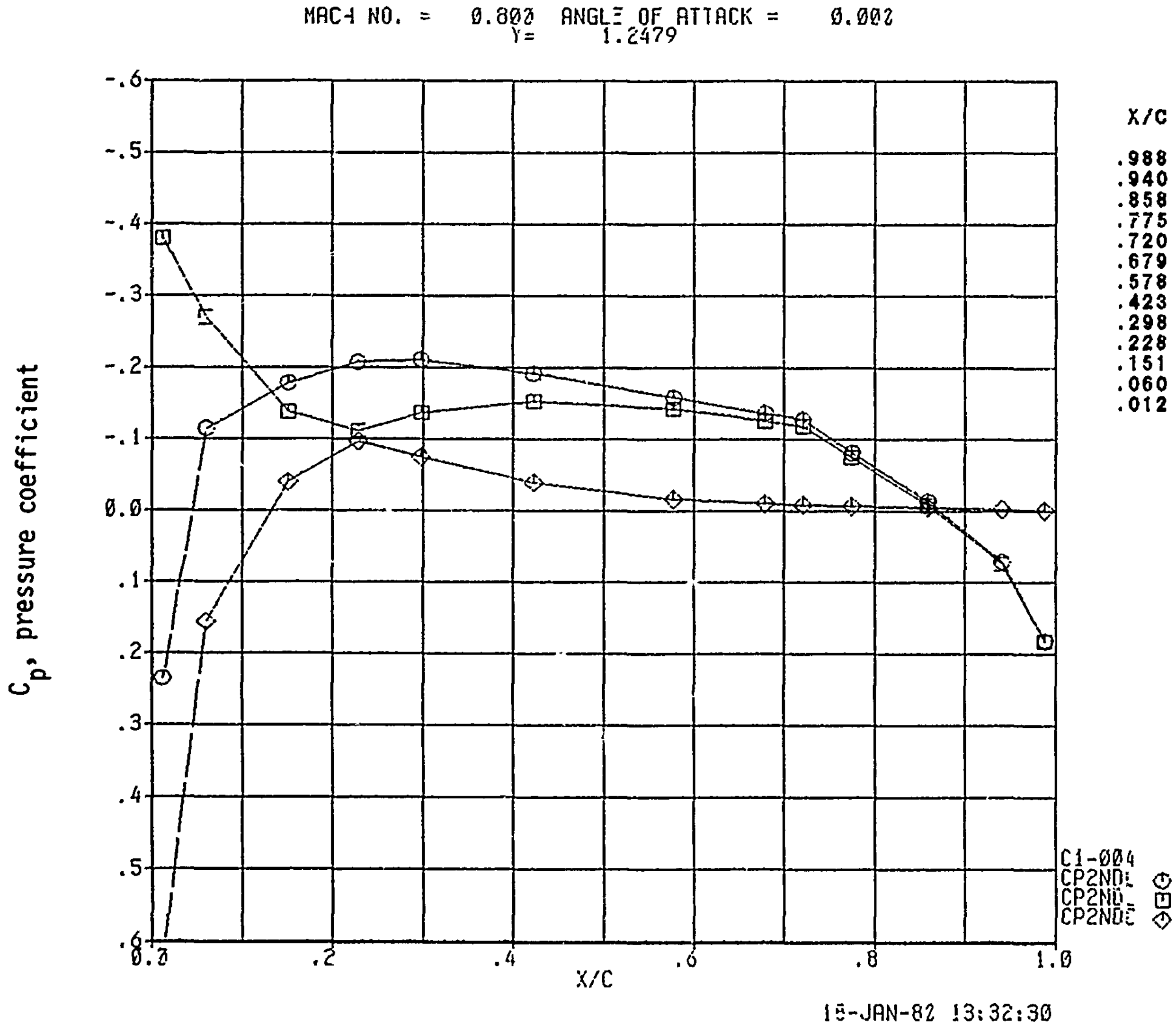

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1805 | 0.1867 | -.0062 |
| .940 | 0.0681 | 0.0788 | -.0108 |
| .858 | -.0182 | -.0013 | -.0169 |
| .775 | -.0883 | -.0656 | -.0228 |
| .720 | -.1355 | -.1090 | -.0264 |
| .679 | -.1446 | -.1153 | -.0293 |
| .578 | -.1693 | -.1289 | -.0403 |
| .423 | -.2056 | -.1331 | -.0725 |
| .298 | -.2274 | -.1100 | -.1174 |
| .228 | -.2271 | -.0798 | -.1473 |
| .151 | -.2070 | -.0969 | -.1101 |
| .060 | -.1622 | -.1926 | 0.0303 |
| .012 | 0.1297 | -.2233 | 0.3530 |

Figure 487, Chordwise Pressure Distribution, Steady, Configuration 6



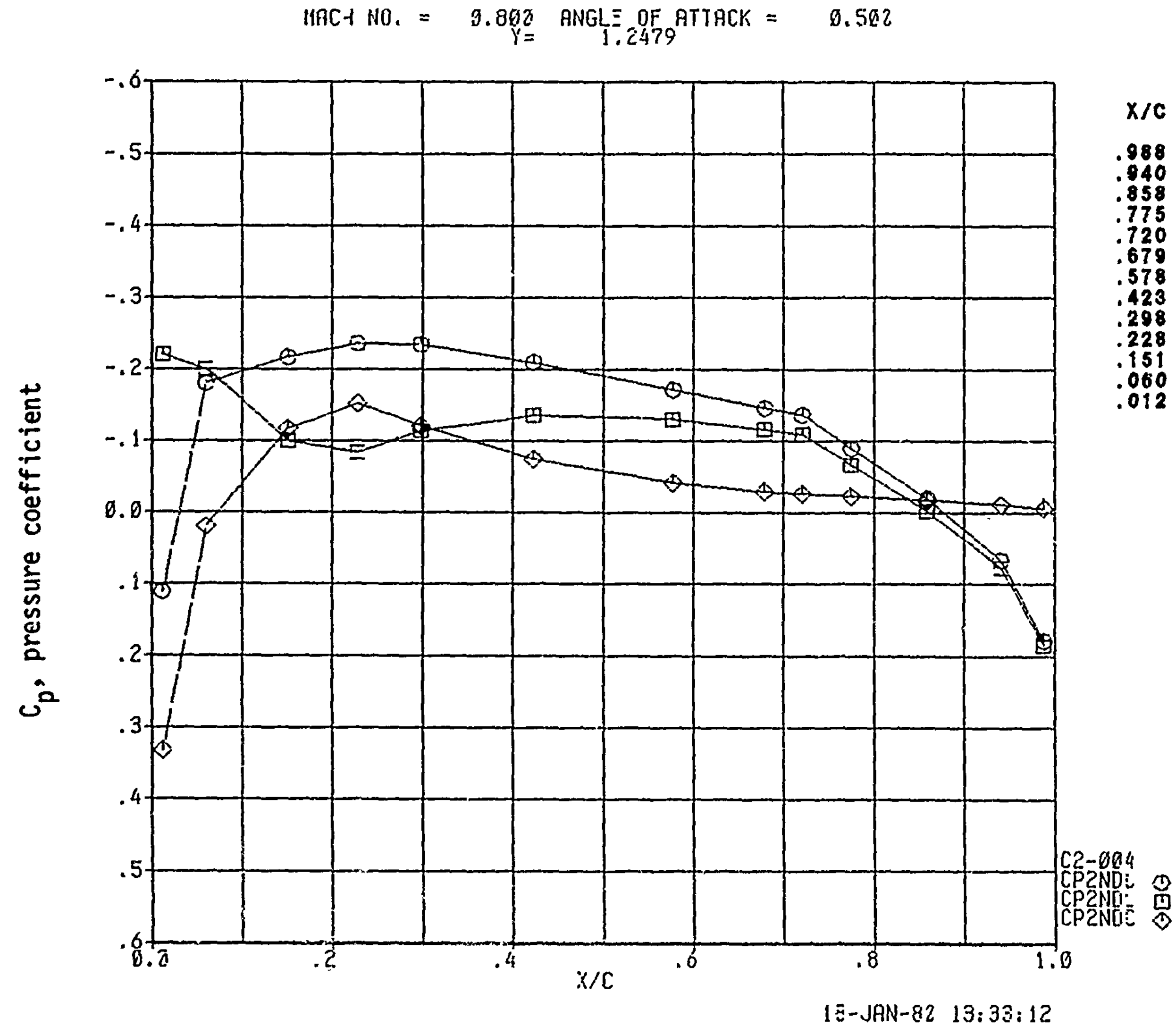

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1855 | 0.1817 | 0.0038 |
| .940 | 0.0760 | 0.0709 | 0.0052 |
| .858 | -.0063 | -.0132 | 0.0068 |
| .775 | -.0729 | -.0810 | 0.0081 |
| .720 | -.1179 | -.1265 | 0.0086 |
| .679 | -.1255 | -.1343 | 0.0089 |
| .578 | -.1452 | -.1530 | 0.0079 |
| .423 | -.1719 | -.1666 | -.0053 |
| .298 | -.1839 | -.1529 | -.0310 |
| .228 | -.1765 | -.1303 | -.0462 |
| .151 | -.1380 | -.1676 | 0.0296 |
| .060 | -.0459 | -.3206 | 0.2746 |
| .012 | 0.3437 | -.5179 | 0.8616 |

Figure 488, Chordwise Pressure Distribution, Steady, Configuration 6



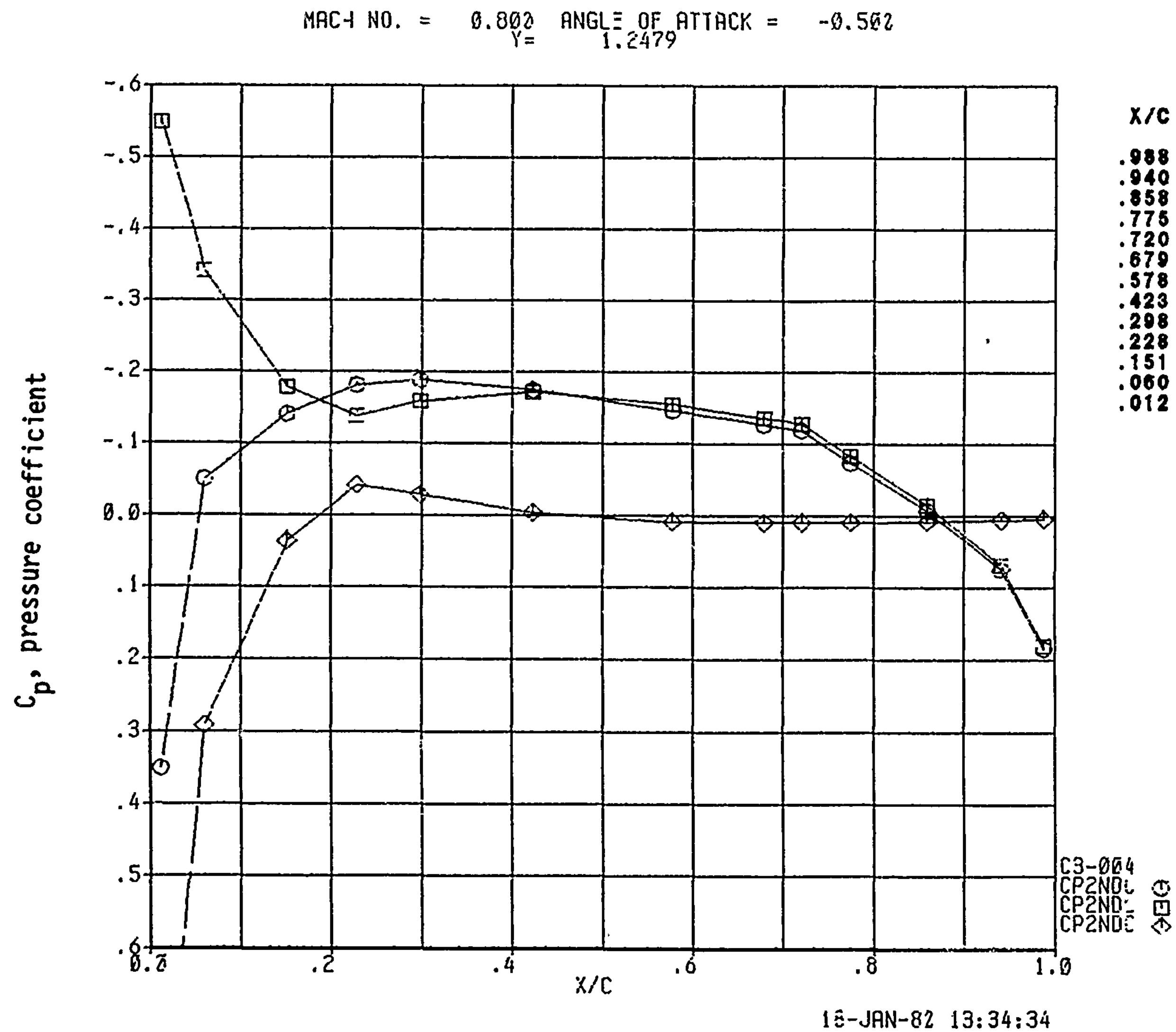

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1817 | 0.1828 | -.0012 |
| .940 | 0.0707 | 0.0734 | -.0026 |
| .858 | -.0133 | -.0085 | -.0048 |
| .775 | -.0813 | -.0742 | -.0071 |
| .720 | -.1273 | -.1186 | -.0087 |
| .679 | -.1357 | -.1256 | -.0100 |
| .578 | -.1583 | -.1420 | -.0162 |
| .423 | -.1919 | -.1529 | -.0392 |
| .298 | -.2108 | -.1362 | -.0746 |
| .228 | -.2076 | -.1109 | -.0966 |
| .151 | -.1785 | -.1385 | -.0399 |
| .060 | -.1141 | -.2695 | 0.1555 |
| .012 | 0.2352 | -.3804 | 0.6156 |

Figure 489, Chordwise Pressure Distribution, Steady, Configuration 6




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1790 | 0.1853 | -.0063 |
| .940 | 0.0666 | 0.0774 | -.0109 |
| .858 | -.0194 | -.0025 | -.0170 |
| .775 | -.0893 | -.0665 | -.0228 |
| .720 | -.1363 | -.1098 | -.0265 |
| .679 | -.1455 | -.1160 | -.0295 |
| .578 | -.1707 | -.1298 | -.0409 |
| .423 | -.2097 | -.1355 | -.0743 |
| .298 | -.2342 | -.1134 | -.1208 |
| .228 | -.2352 | -.0838 | -.1514 |
| .151 | -.2166 | -.1002 | -.1166 |
| .060 | -.1797 | -.1993 | 0.0197 |
| .012 | 0.1110 | -.2201 | 0.3311 |

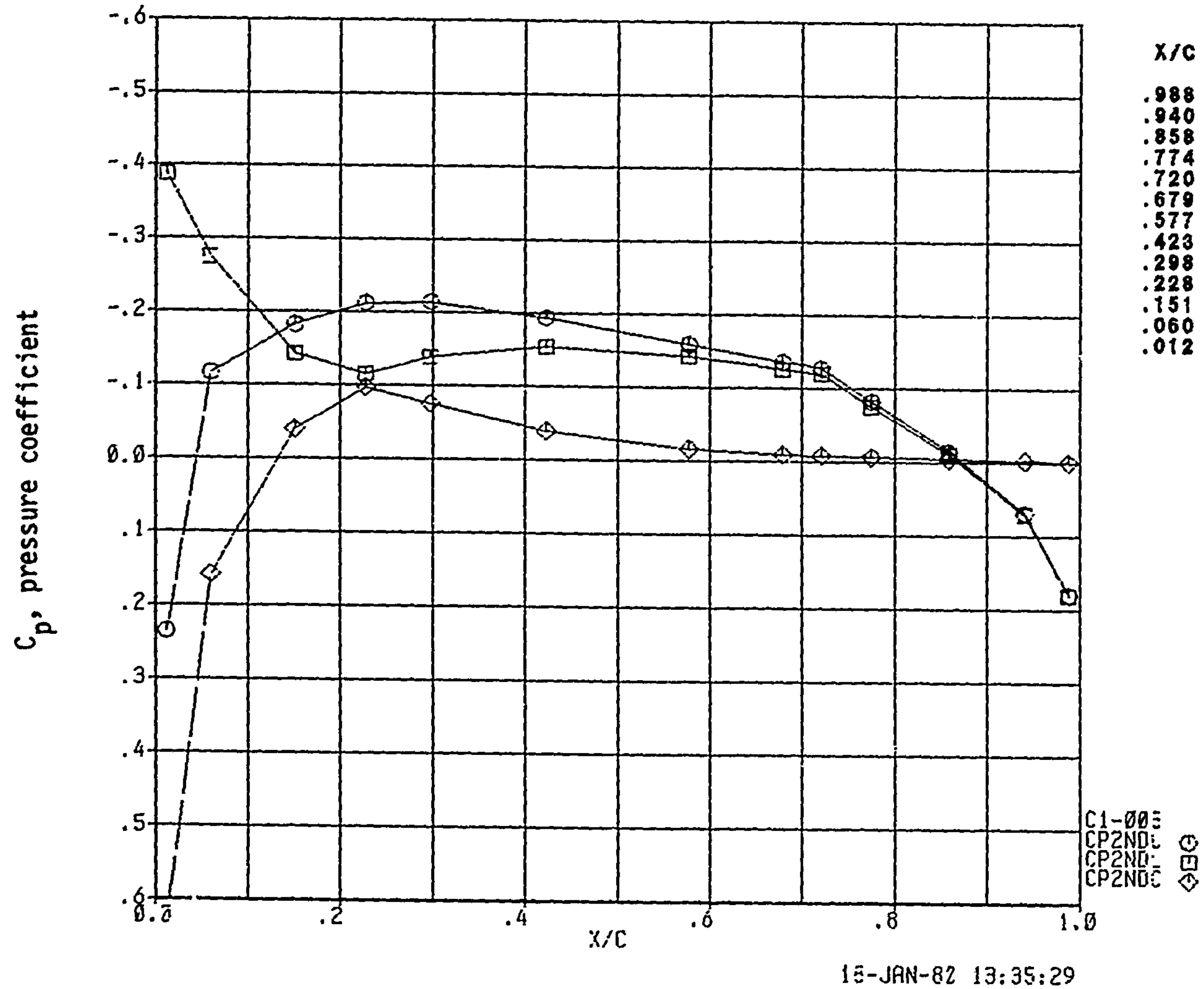
Figure 490, Chordwise Pressure Distribution, Steady, Configuration 6




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1841 | 0.1801 | 0.0040 |
| .940 | 0.0747 | 0.0692 | 0.0055 |
| .858 | -.0073 | -.0147 | 0.0074 |
| .775 | -.0735 | -.0822 | 0.0087 |
| .720 | -.1185 | -.1276 | 0.0091 |
| .679 | -.1261 | -.1354 | 0.0094 |
| .578 | -.1461 | -.1544 | 0.0085 |
| .423 | -.1744 | -.1705 | -.0039 |
| .298 | -.1877 | -.1593 | -.0284 |
| .228 | -.1803 | -.1385 | -.0418 |
| .151 | -.1409 | -.1776 | 0.0366 |
| .060 | -.0502 | -.3415 | 0.2913 |
| .012 | 0.3505 | -.5497 | 0.9003 |

Figure 491, Chordwise Pressure Distribution, Steady, Configuration 6

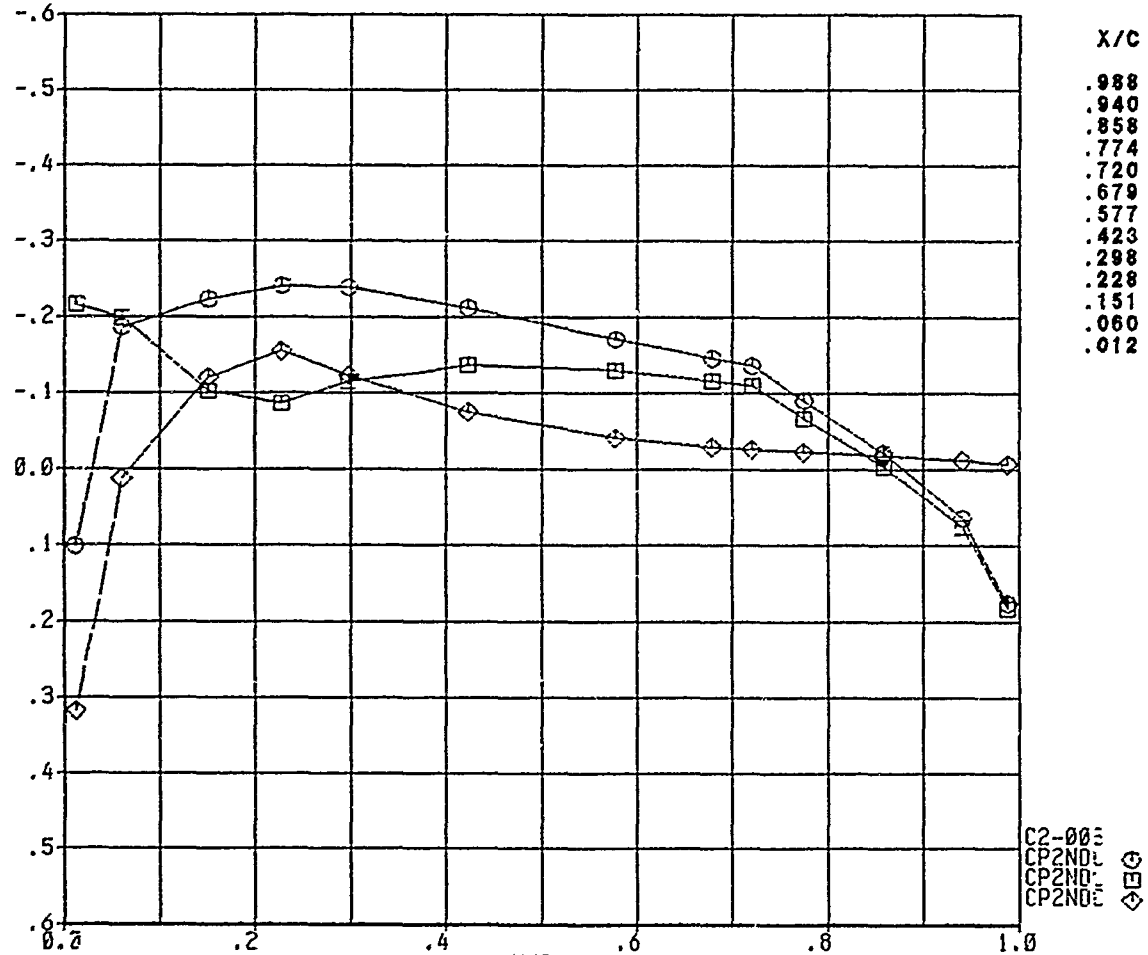
MACH NO. = 0.800 ANGLE OF ATTACK = 0.002
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1792 | 0.1803 | -.0011 |
| .940 | 0.0685 | 0.0711 | -.0025 |
| .858 | -.0147 | -.0101 | -.0046 |
| .774 | -.0819 | -.0751 | -.0068 |
| .720 | -.1274 | -.1190 | -.0084 |
| .679 | -.1354 | -.1258 | -.0096 |
| .577 | -.1581 | -.1420 | -.0160 |
| .423 | -.1934 | -.1541 | -.0393 |
| .298 | -.2142 | -.1389 | -.0753 |
| .228 | -.2115 | -.1144 | -.0972 |
| .151 | -.1824 | -.1425 | -.0399 |
| .060 | -.1163 | -.2741 | 0.1579 |
| .012 | 0.2353 | -.3874 | 0.6226 |

Figure 492, Chordwise Pressure Distribution, Steady, Configuration 6

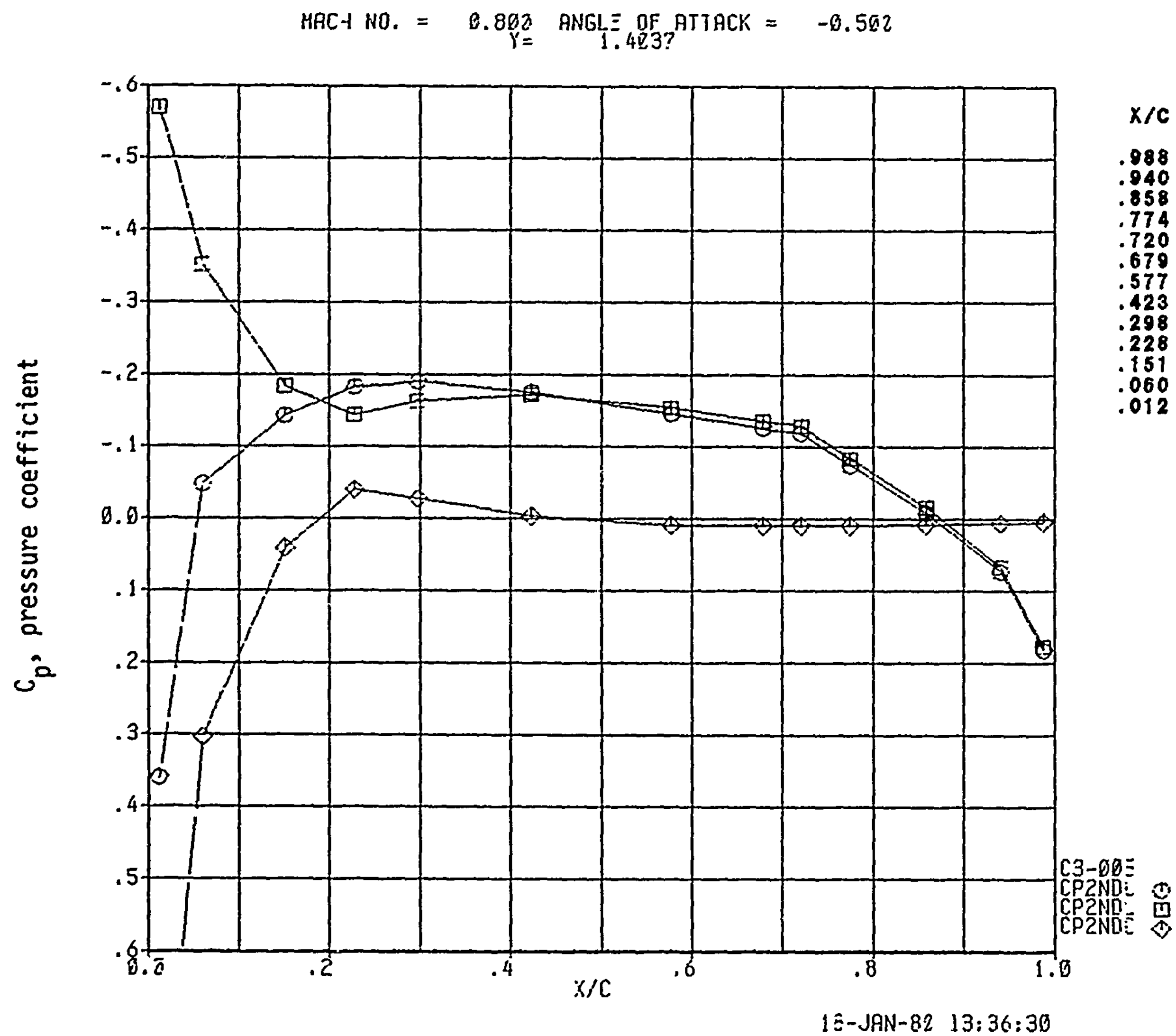
MACH NO. = 0.800 ANGLE OF ATTACK = 0.502
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1764 | 0.1828 | -.0064 |
| .940 | 0.0643 | 0.0752 | -.0110 |
| .858 | -.0210 | -.0040 | -.0170 |
| .774 | -.0899 | -.0672 | -.0227 |
| .720 | -.1365 | -.1102 | -.0263 |
| .679 | -.1453 | -.1162 | -.0291 |
| .577 | -.1705 | -.1298 | -.0408 |
| .423 | -.2116 | -.1364 | -.0752 |
| .298 | -.2385 | -.1153 | -.1232 |
| .228 | -.2405 | -.0860 | -.1546 |
| .151 | -.2228 | -.1019 | -.1210 |
| .060 | -.1865 | -.1991 | 0.0126 |
| .012 | 0.1015 | -.2155 | 0.3170 |

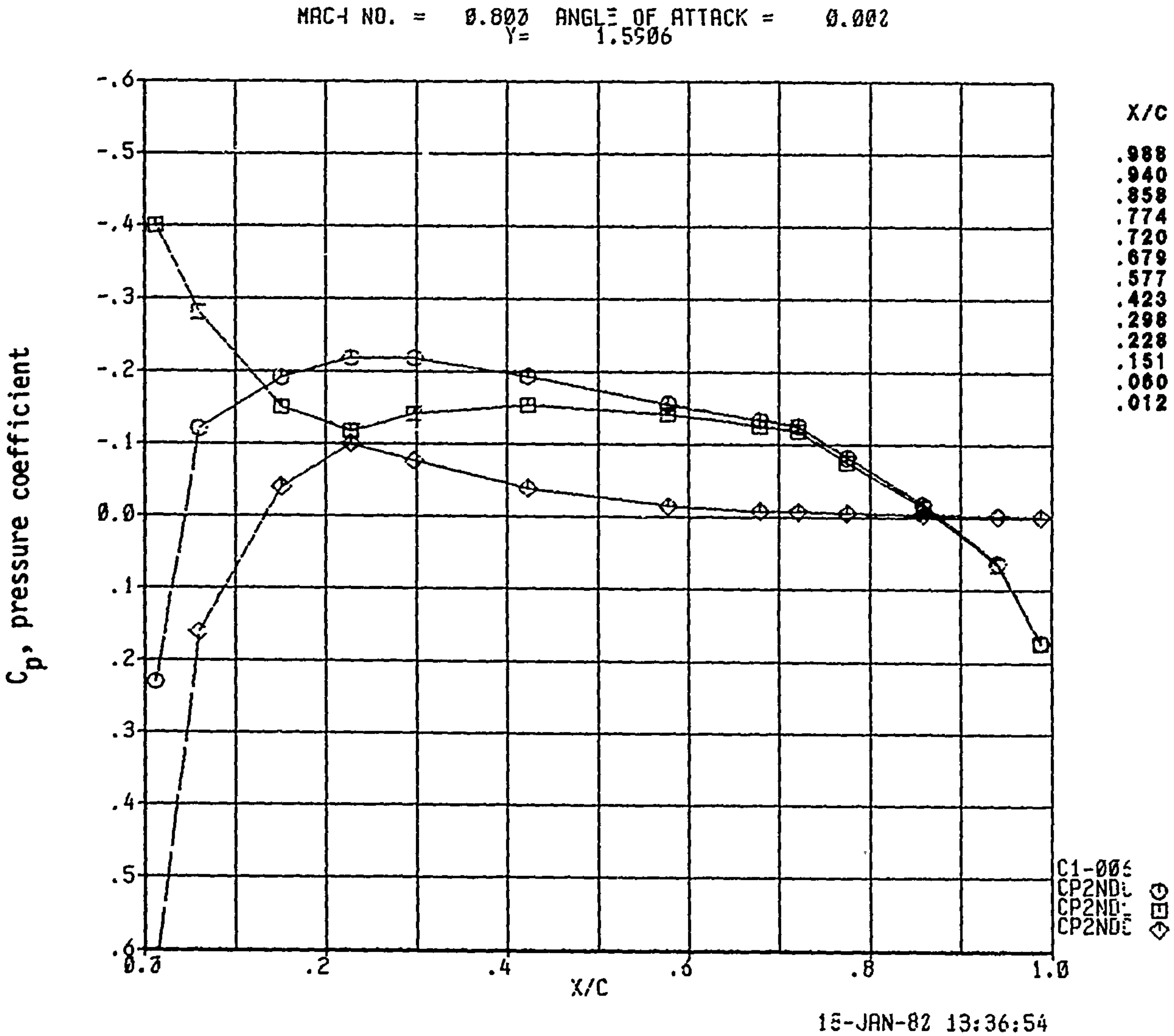
15-JAN-82 13:36:00

Figure 493, Chordwise Pressure Distribution, Steady, Configuration 6




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1817 | 0.1775 | 0.0042 |
| .940 | 0.0726 | 0.0667 | 0.0059 |
| .858 | -.0086 | -.0165 | 0.0079 |
| .774 | -.0740 | -.0832 | 0.0092 |
| .720 | -.1185 | -.1281 | 0.0096 |
| .679 | -.1258 | -.1356 | 0.0098 |
| .577 | -.1458 | -.1545 | 0.0087 |
| .423 | -.1756 | -.1721 | -.0034 |
| .298 | -.1903 | -.1630 | -.0273 |
| .228 | -.1829 | -.1433 | -.0397 |
| .151 | -.1426 | -.1838 | 0.0412 |
| .060 | -.0480 | -.3511 | 0.3031 |
| .012 | 0.3589 | -.5694 | 0.9282 |

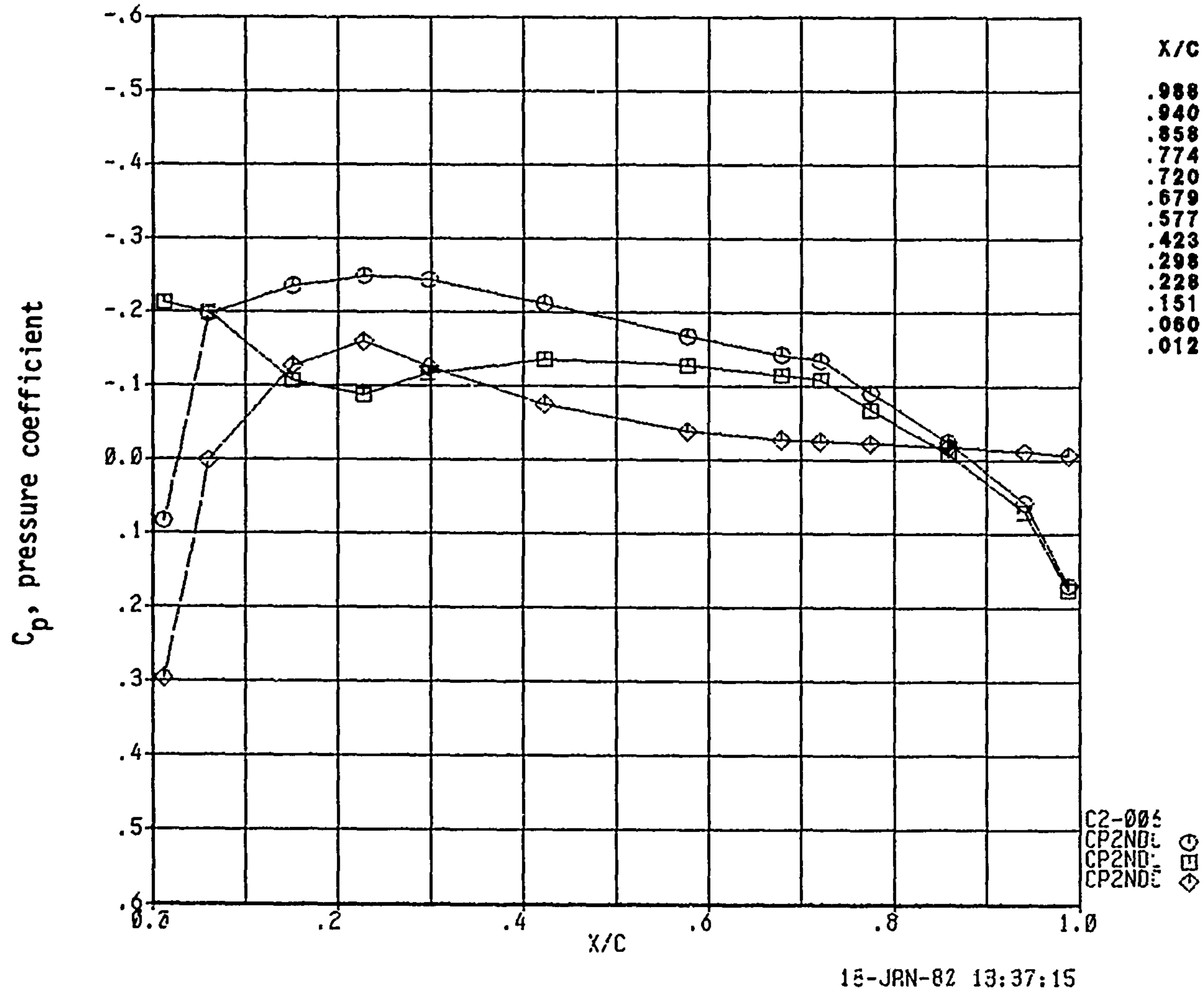
Figure 494, Chordwise Pressure Distribution, Steady, Configuration 6




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1724 | 0.1733 | -.0010 |
| .940 | 0.0628 | 0.0650 | -.0022 |
| .858 | -.0180 | -.0140 | -.0040 |
| .774 | -.0822 | -.0762 | -.0060 |
| .720 | -.1260 | -.1186 | -.0074 |
| .679 | -.1332 | -.1246 | -.0085 |
| .577 | -.1555 | -.1408 | -.0147 |
| .423 | -.1936 | -.1541 | -.0395 |
| .298 | -.2184 | -.1416 | -.0768 |
| .228 | -.2181 | -.1177 | -.1003 |
| .151 | -.1912 | -.1509 | -.0403 |
| .060 | -.1202 | -.2803 | 0.1603 |
| .012 | 0.2300 | -.3997 | 0.6298 |

Figure 495, Chordwise Pressure Distribution, Steady, Configuration 6

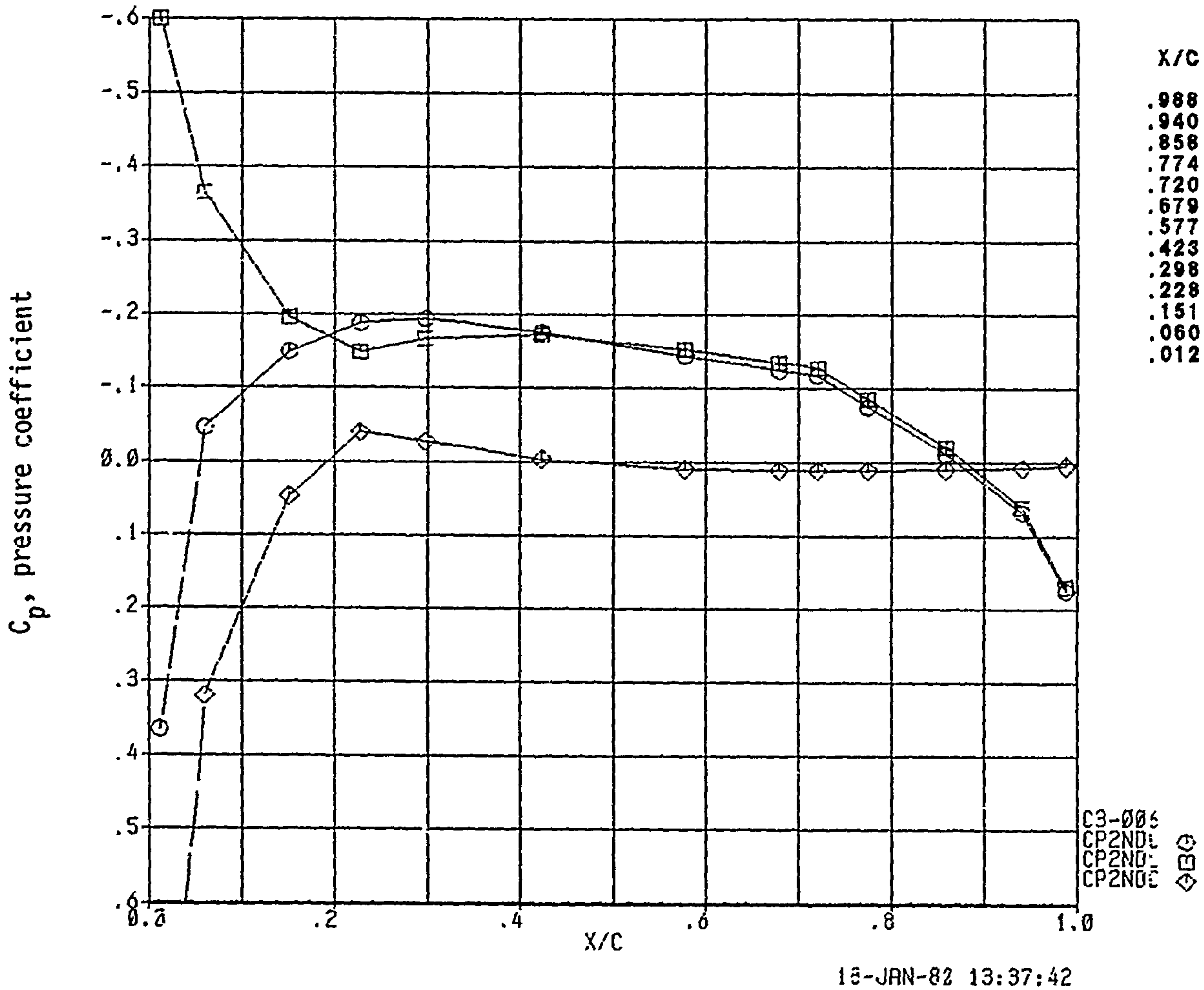
MACH NO. = 0.802 ANGLE OF ATTACK = 0.502
Y= 1.5506




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1695 | 0.1760 | -.0066 |
| .940 | 0.0582 | 0.0695 | -.0113 |
| .858 | -.0247 | -.0074 | -.0173 |
| .774 | -.0905 | -.0681 | -.0225 |
| .720 | -.1352 | -.1096 | -.0255 |
| .679 | -.1429 | -.1150 | -.0278 |
| .577 | -.1677 | -.1289 | -.0389 |
| .423 | -.2117 | -.1365 | -.0751 |
| .298 | -.2434 | -.1173 | -.1261 |
| .228 | -.2487 | -.0878 | -.1608 |
| .151 | -.2350 | -.1072 | -.1278 |
| .060 | -.1970 | -.1986 | 0.0016 |
| .012 | 0.0834 | -.2126 | 0.2961 |

Figure 496, Chordwise Pressure Distribution, Steady, Configuration 6

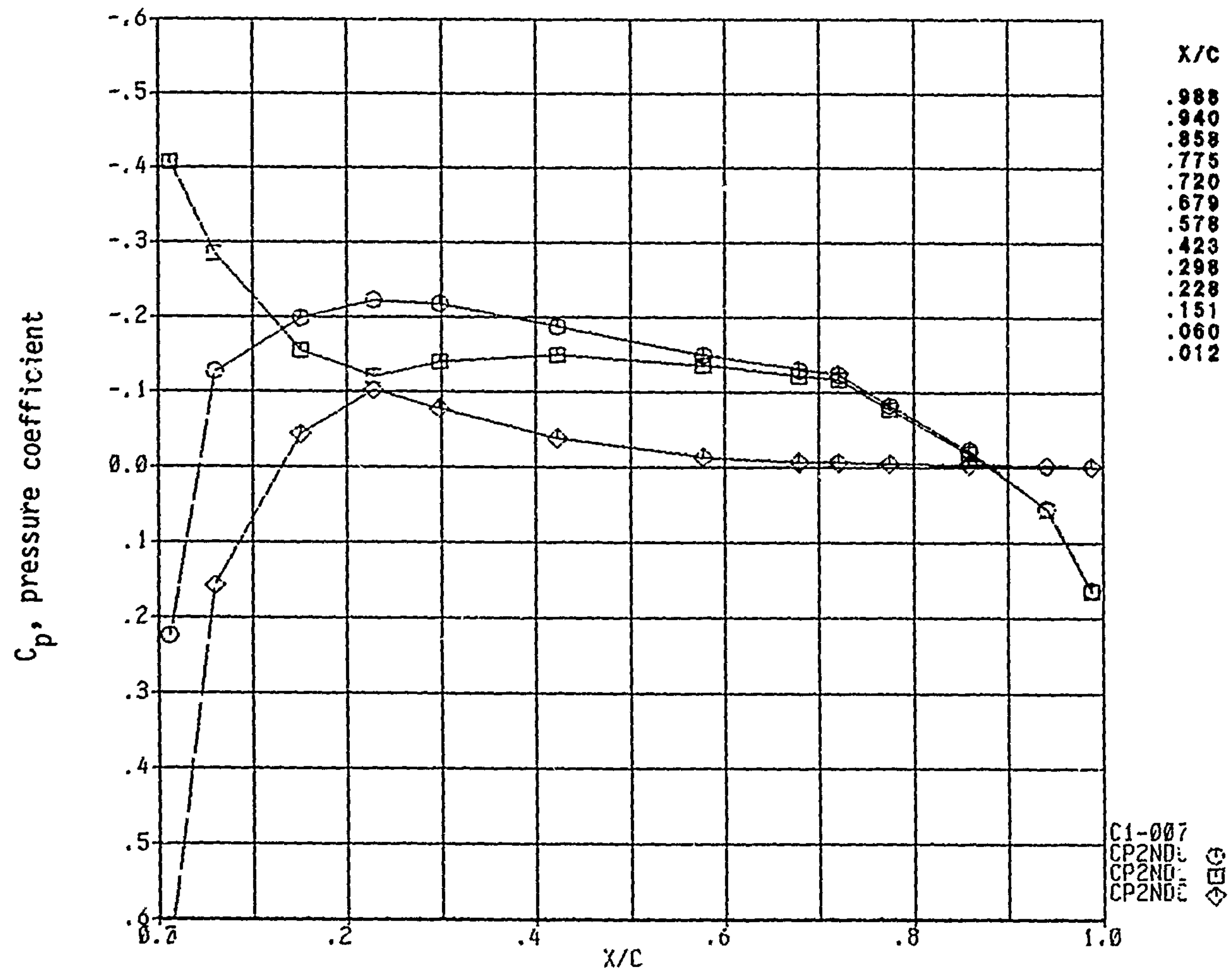
MACH NO. = 0.802 ANGLE OF ATTACK = -0.502
Y= 1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1750 | 0.1704 | 0.0046 |
| .940 | 0.0673 | 0.0604 | 0.0069 |
| .858 | -.0115 | -.0207 | 0.0093 |
| .774 | -.0741 | -.0846 | 0.0105 |
| .720 | -.1171 | -.1278 | 0.0107 |
| .679 | -.1236 | -.1344 | 0.0108 |
| .577 | -.1436 | -.1530 | 0.0093 |
| .423 | -.1758 | -.1721 | -.0038 |
| .298 | -.1937 | -.1664 | -.0275 |
| .228 | -.1881 | -.1482 | -.0399 |
| .151 | -.1483 | -.1954 | 0.0471 |
| .060 | -.0455 | -.3645 | 0.3189 |
| .012 | 0.3646 | -.5989 | 0.9635 |

Figure 497, Chordwise Pressure Distribution, Steady, Configuration 6

MACH NO. = 0.802 ANGLE OF ATTACK = 0.002
Y= 1.7035

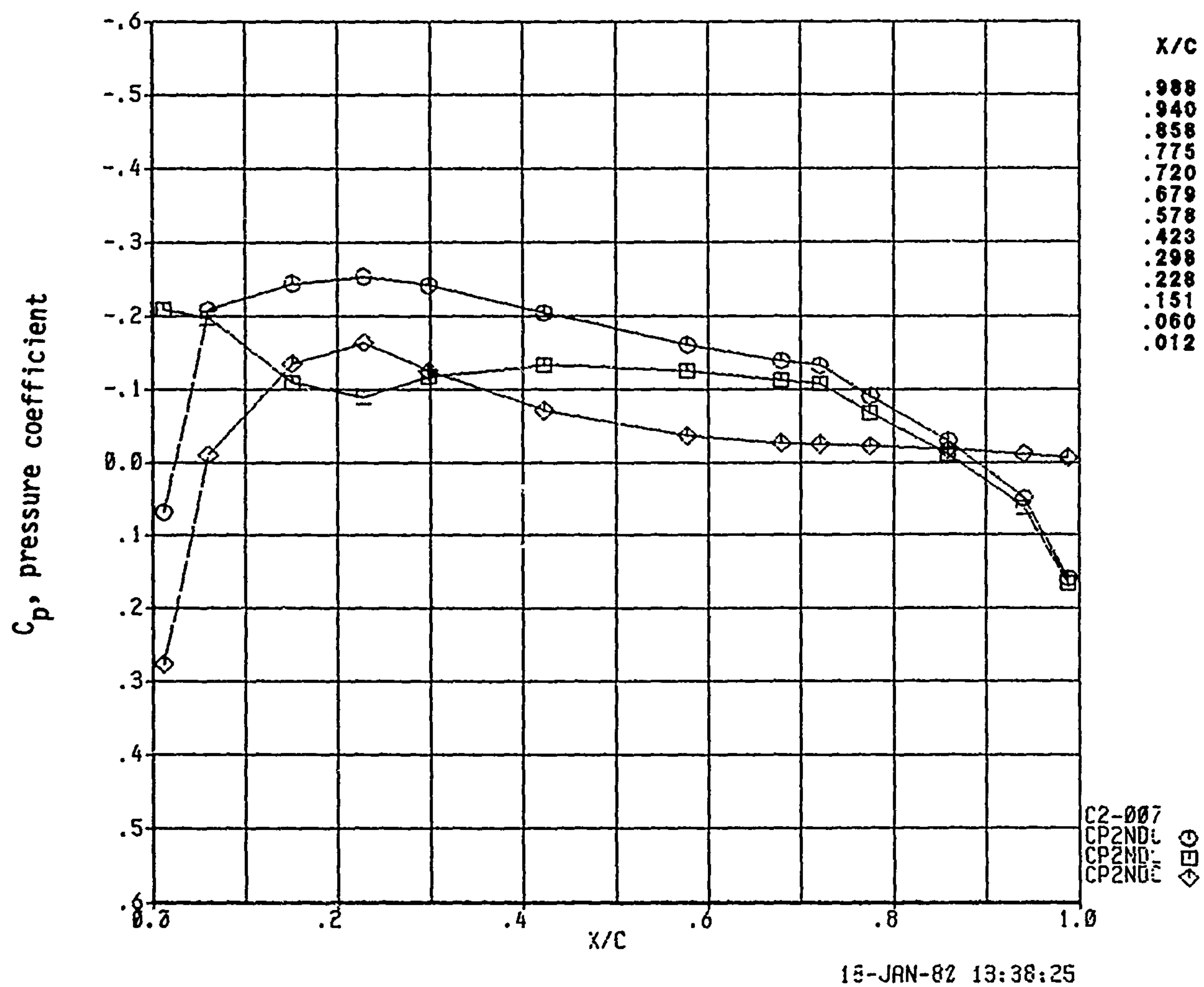



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1627 | 0.1635 | -.0008 |
| .940 | 0.0548 | 0.0566 | -.0018 |
| .858 | -.0221 | -.0188 | -.0033 |
| .775 | -.0820 | -.0769 | -.0051 |
| .720 | -.1235 | -.1172 | -.0064 |
| .679 | -.1292 | -.1218 | -.0073 |
| .578 | -.1490 | -.1360 | -.0131 |
| .423 | -.1874 | -.1494 | -.0379 |
| .298 | -.2178 | -.1405 | -.0773 |
| .228 | -.2222 | -.1200 | -.1021 |
| .151 | -.1983 | -.1550 | -.0433 |
| .060 | -.1269 | -.2845 | 0.1576 |
| .012 | 0.2239 | -.4064 | 0.6303 |

18-JAN-82 13:38:04

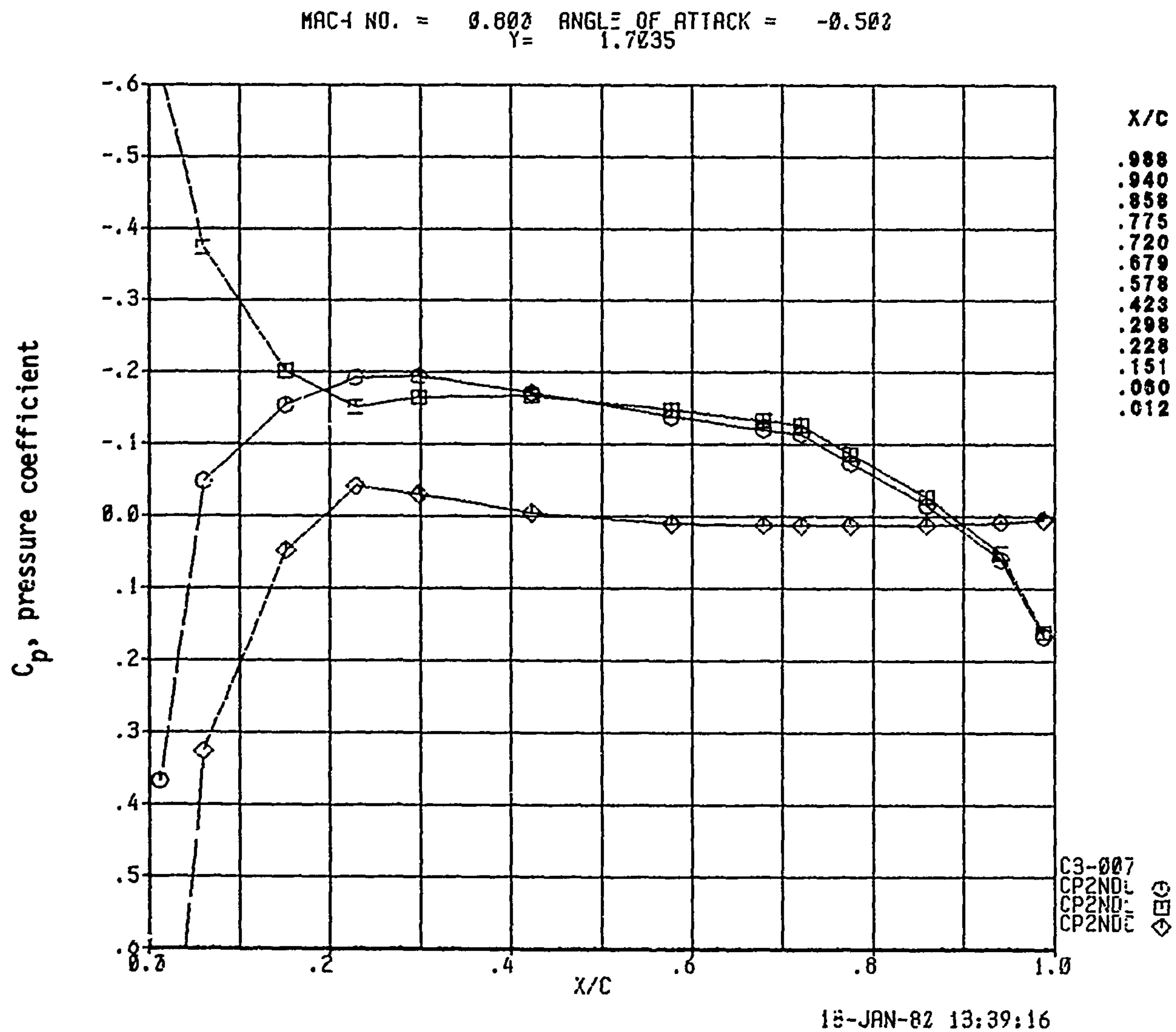
Figure 498, Chordwise Pressure Distribution, Steady, Configuration 6

MACH NO. = 0.802 ANGLE OF ATTACK = 0.502
Y= 1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1595 | 0.1664 | -.0069 |
| .940 | 0.0495 | 0.0617 | -.0122 |
| .858 | -.0297 | -.0113 | -.0184 |
| .775 | -.0909 | -.0683 | -.0228 |
| .720 | -.1330 | -.1079 | -.0252 |
| .679 | -.1391 | -.1122 | -.0269 |
| .578 | -.1608 | -.1245 | -.0363 |
| .423 | -.2043 | -.1330 | -.0714 |
| .298 | -.2419 | -.1170 | -.1249 |
| .228 | -.2531 | -.0897 | -.1634 |
| .151 | -.2440 | -.1092 | -.1348 |
| .060 | -.2087 | -.1979 | -.0107 |
| .012 | 0.0680 | -.2085 | 0.2764 |

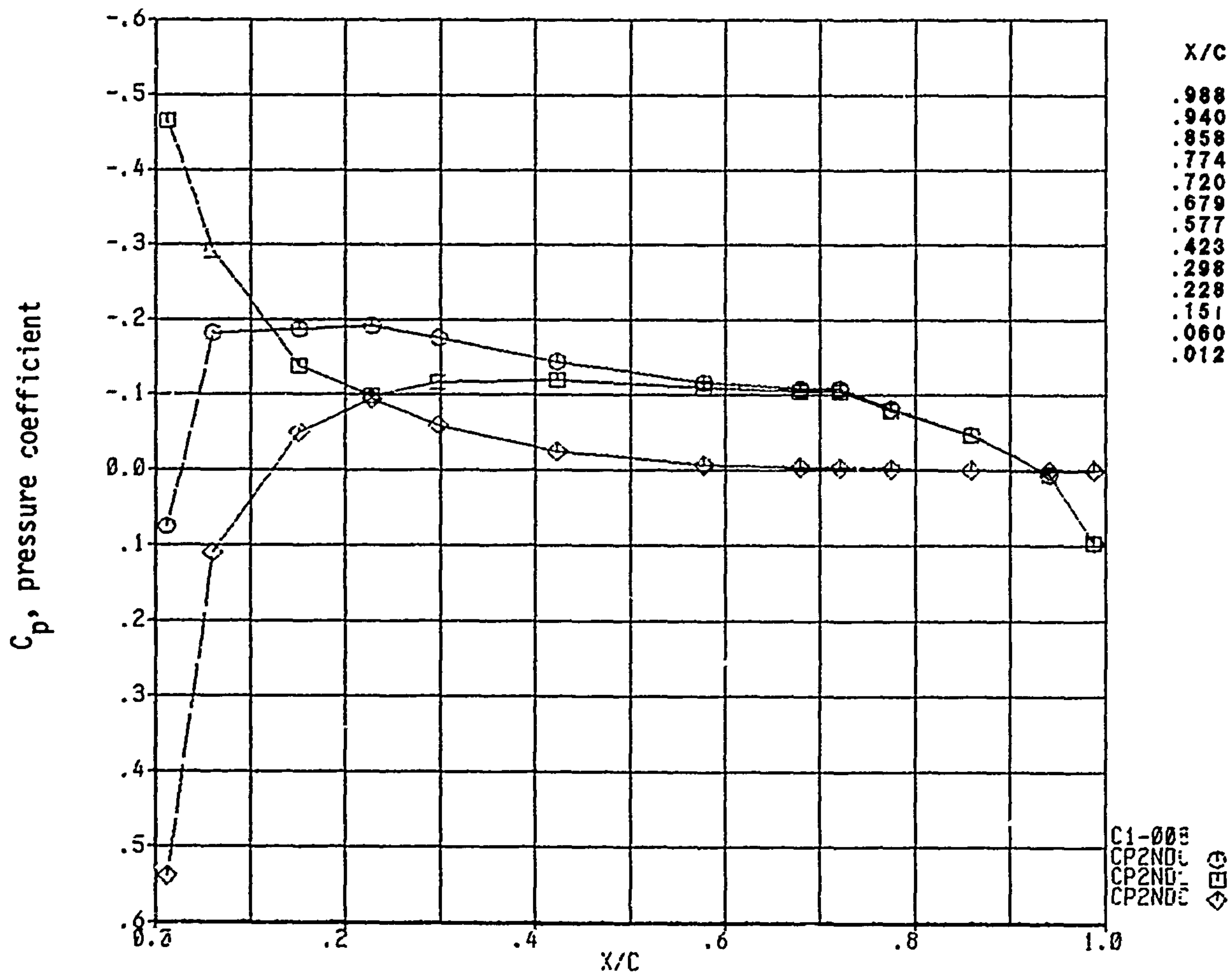
Figure 499, Chordwise Pressure Distribution, Steady, Configuration 6




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1656 | 0.1603 | 0.0053 |
| .940 | 0.0599 | 0.0513 | 0.0086 |
| .858 | -.0146 | -.0265 | 0.0119 |
| .775 | -.0734 | -.0859 | 0.0125 |
| .720 | -.1142 | -.1268 | 0.0124 |
| .679 | -.1195 | -.1318 | 0.0123 |
| .578 | -.1376 | -.1477 | 0.0102 |
| .423 | -.1708 | -.1662 | -.0046 |
| .298 | -.1941 | -.1643 | -.0298 |
| .228 | -.1917 | -.1508 | -.0409 |
| .151 | -.1534 | -.2016 | 0.0481 |
| .060 | -.0477 | -.3737 | 0.3260 |
| .012 | 0.3663 | -.6179 | 0.9842 |

Figure 500, Chordwise Pressure Distribution, Steady, Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.002
Y= 1.9021

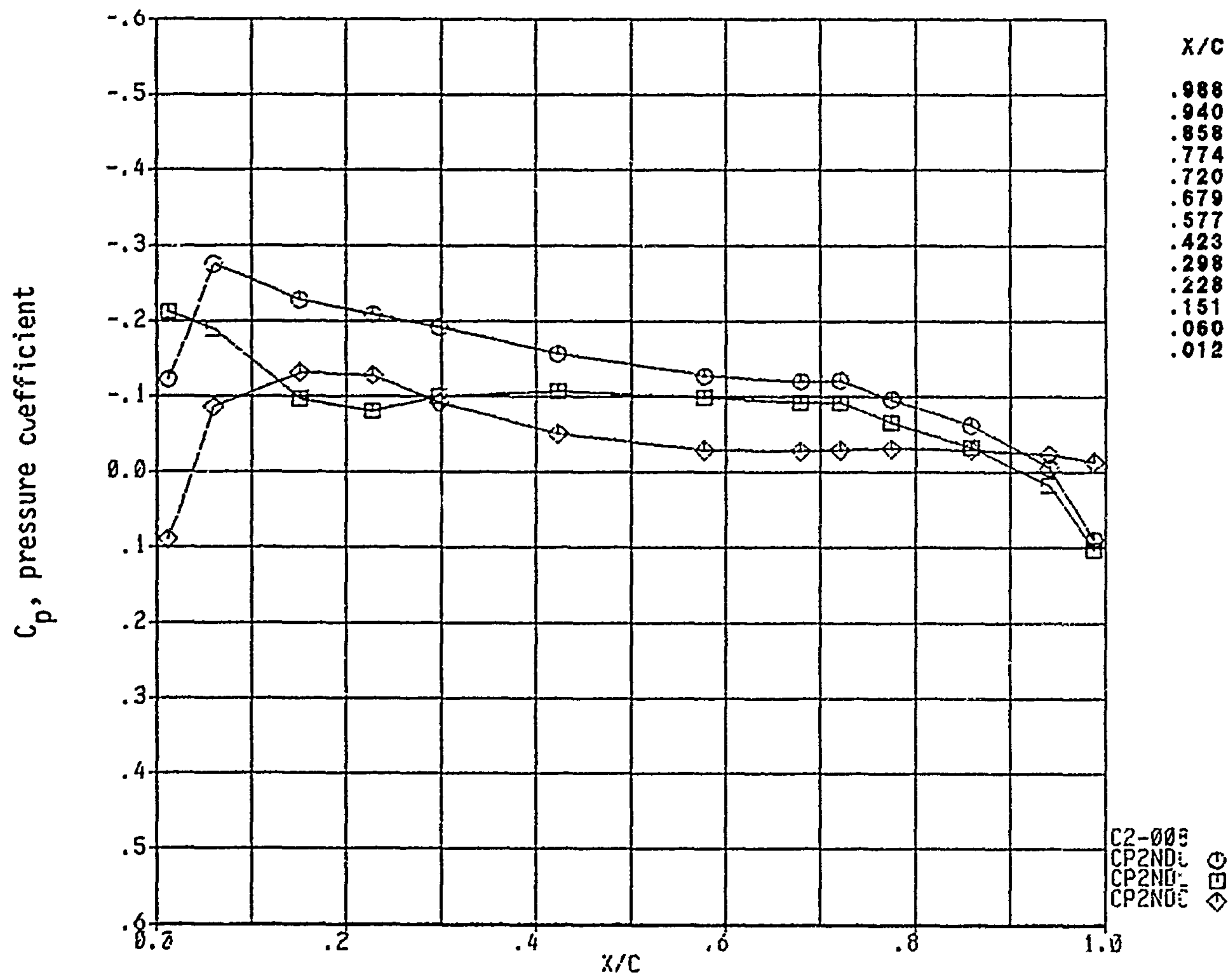



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.0965 | 0.0961 | 0.0003 |
| .940 | 0.0061 | 0.0058 | 0.0003 |
| .858 | -.0470 | -.0466 | -.0005 |
| .774 | -.0813 | -.0794 | -.0019 |
| .720 | -.1079 | -.1047 | -.0032 |
| .679 | -.1075 | -.1038 | -.0038 |
| .577 | -.1162 | -.1095 | -.0067 |
| .423 | -.1440 | -.1191 | -.0249 |
| .298 | -.1750 | -.1157 | -.0593 |
| .228 | -.1920 | -.0979 | -.0941 |
| .151 | -.1874 | -.1380 | -.0494 |
| .060 | -.1818 | -.2913 | 0.1095 |
| .012 | 0.0745 | -.4643 | 0.5388 |

16-JAN-82 13:39:40

Figure 501, Chordwise Pressure Distribution, Steady, Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.9021

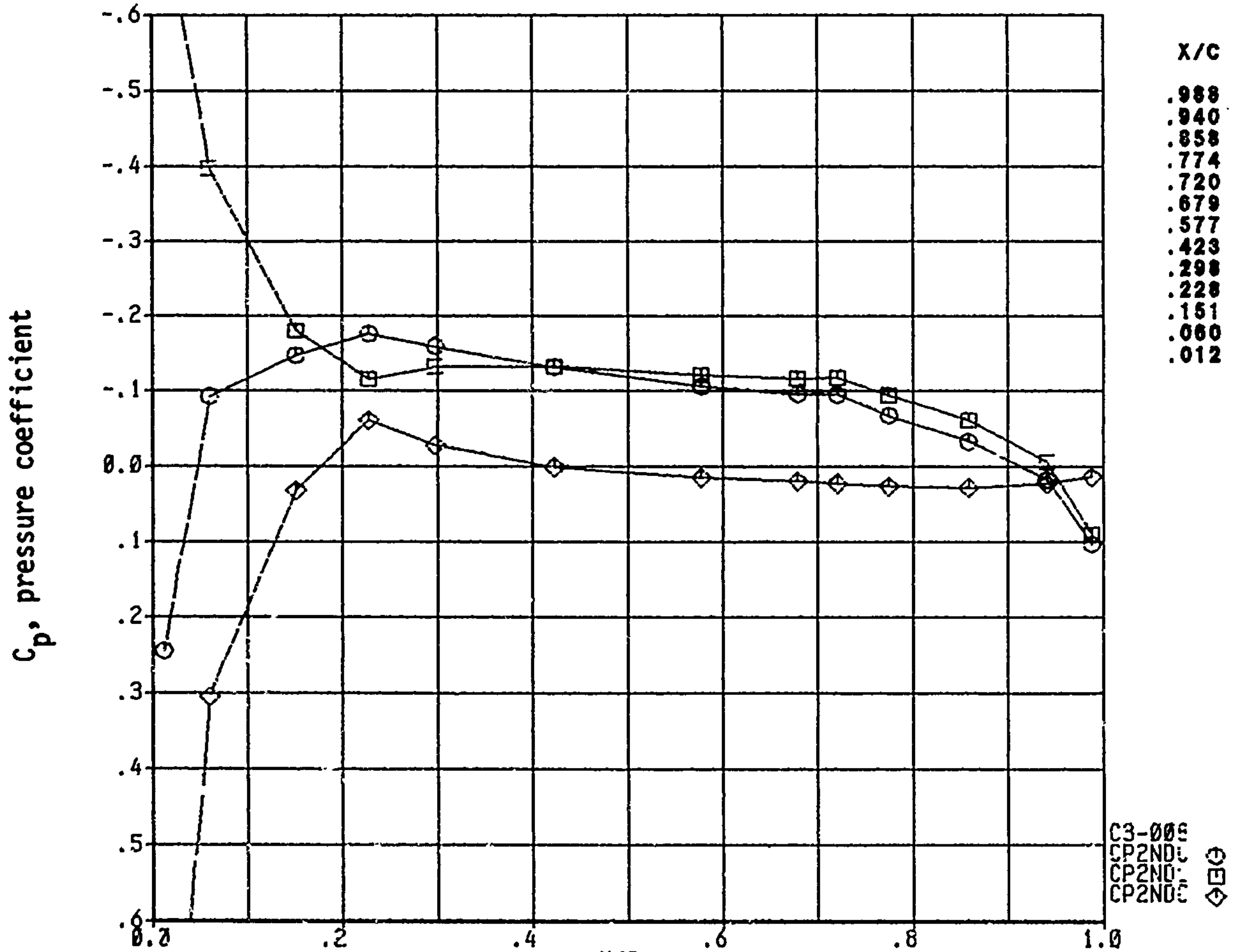



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.0895 | 0.1029 | -.0133 |
| .940 | -.0055 | 0.0172 | -.0227 |
| .858 | -.0616 | -.0323 | -.0292 |
| .774 | -.0958 | -.0652 | -.0307 |
| .720 | -.1210 | -.0920 | -.0290 |
| .679 | -.1195 | -.0922 | -.0273 |
| .577 | -.1273 | -.0987 | -.0286 |
| .423 | -.1571 | -.1064 | -.0507 |
| .298 | -.1912 | -.0999 | -.0914 |
| .228 | -.2086 | -.0810 | -.1276 |
| .151 | -.2282 | -.0970 | -.1312 |
| .060 | -.2753 | -.1896 | -.0857 |
| .012 | -.1227 | -.2128 | 0.0901 |

15-JAN-82 13:40:14

Figure 502, Chordwise Pressure Distribution, Steady, Configuration 6

MAC-I NO. = 0.800 ANGLE OF ATTACK = -0.502
Y= 1.9021

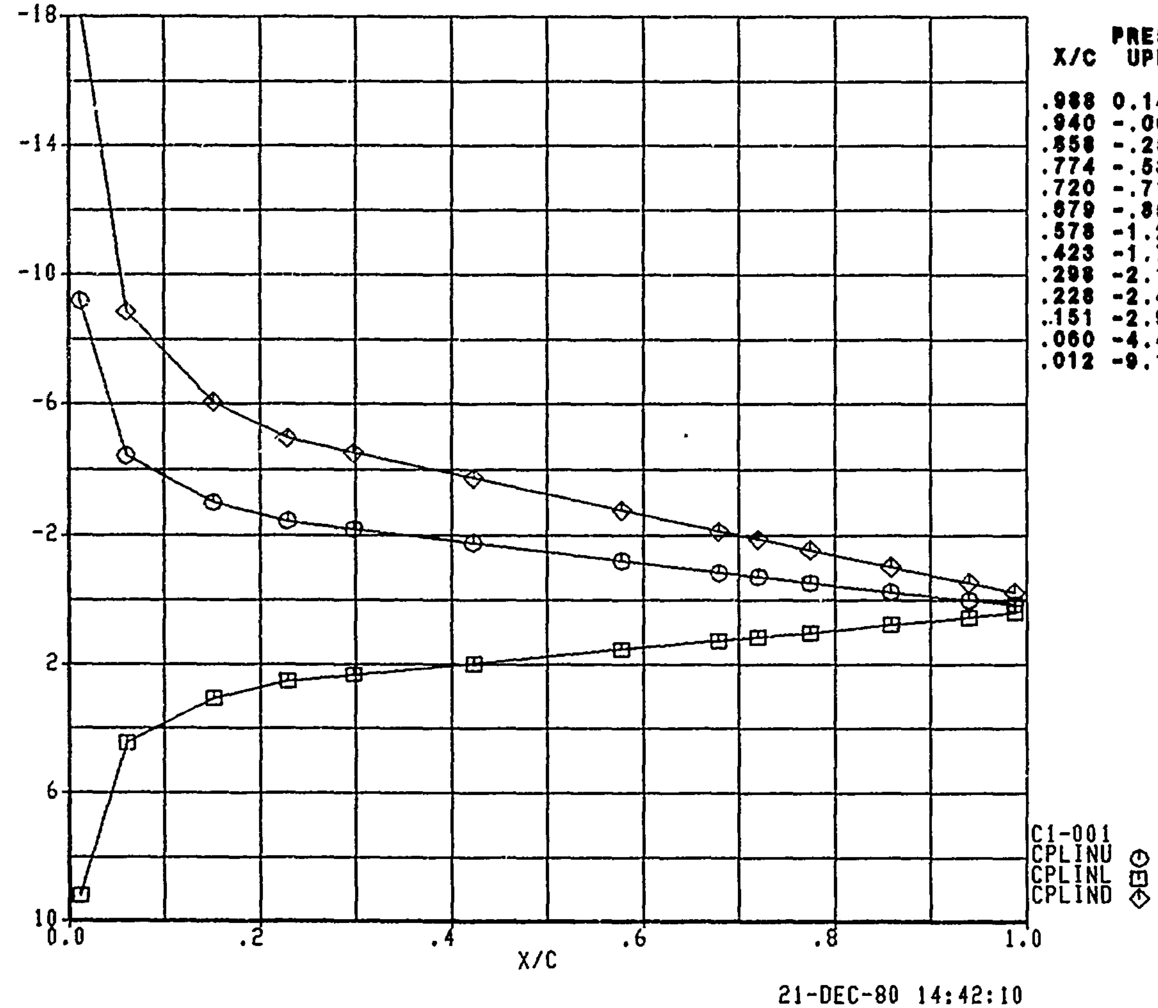



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1032 | 0.0892 | 0.0140 |
| .940 | 0.0175 | -.0058 | 0.0233 |
| .858 | -.0329 | -.0611 | 0.0283 |
| .774 | -.0671 | -.0941 | 0.0270 |
| .720 | -.0952 | -.1179 | 0.0227 |
| .679 | -.0960 | -.1158 | 0.0198 |
| .577 | -.1056 | -.1207 | 0.0151 |
| .423 | -.1313 | -.1322 | 0.0009 |
| .298 | -.1593 | -.1321 | -.0273 |
| .228 | -.1757 | -.1151 | -.0606 |
| .151 | -.1472 | -.1796 | 0.0324 |
| .060 | -.0922 | -.3969 | 0.3047 |
| .012 | 0.2439 | -.7436 | 0.9875 |

18-JAN-82 13:40:41

Figure 503, Chordwise Pressure Distribution, Steady, Configuration 6

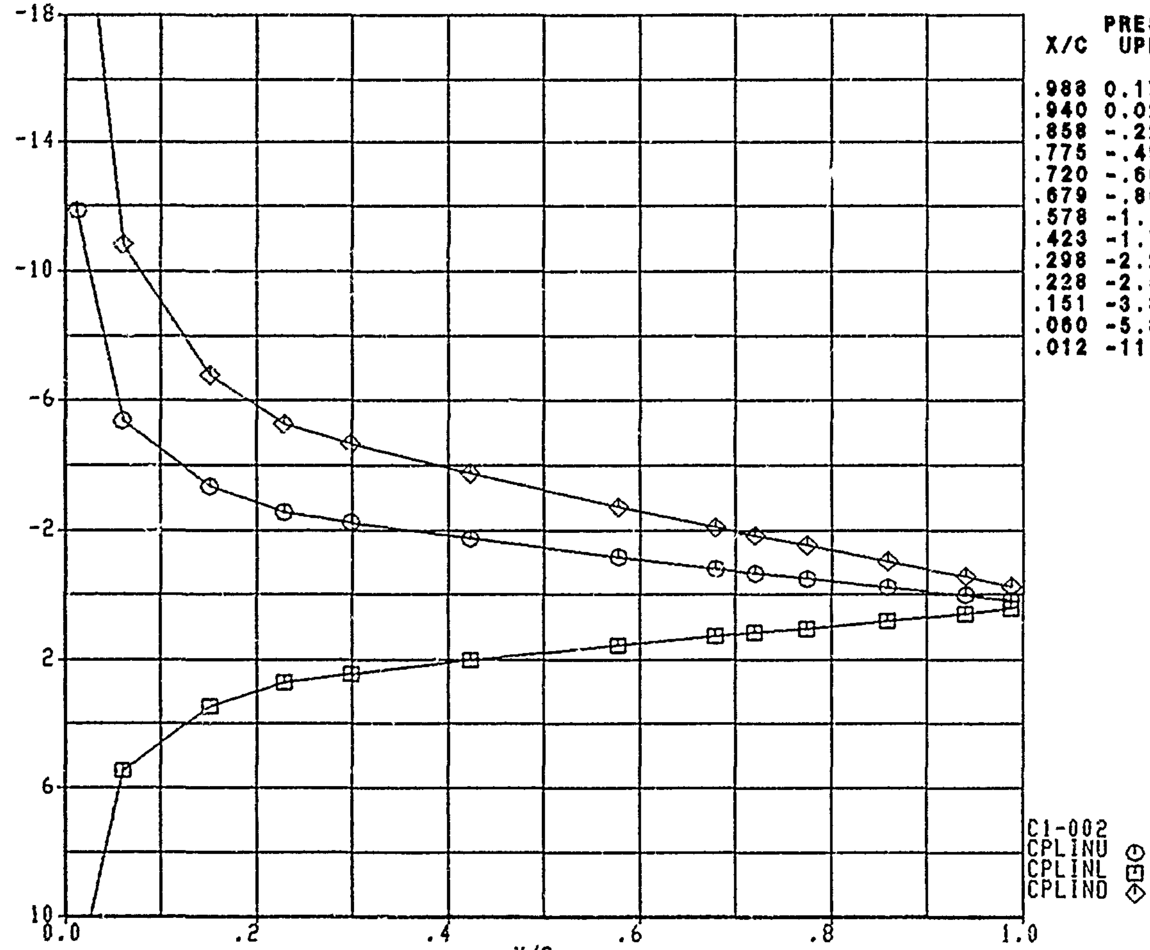
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1416 | 0.3795 | -.2378 |
| .940 | -.0075 | 0.5290 | -.5365 |
| .858 | -.2571 | 0.7582 | -1.015 |
| .774 | -.5384 | 1.0032 | -1.542 |
| .720 | -.7183 | 1.1486 | -1.867 |
| .679 | -.8570 | 1.2627 | -2.120 |
| .578 | -1.210 | 1.5429 | -2.753 |
| .423 | -1.753 | 1.9823 | -3.736 |
| .298 | -2.171 | 2.3219 | -4.493 |
| .228 | -2.419 | 2.5298 | -4.949 |
| .151 | -2.993 | 3.0630 | -6.056 |
| .060 | -4.414 | 4.4394 | -8.853 |
| .012 | -9.188 | 9.1924 | -18.38 |

Figure [illegible], Chordwise Pressure Distribution, Real Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.6853

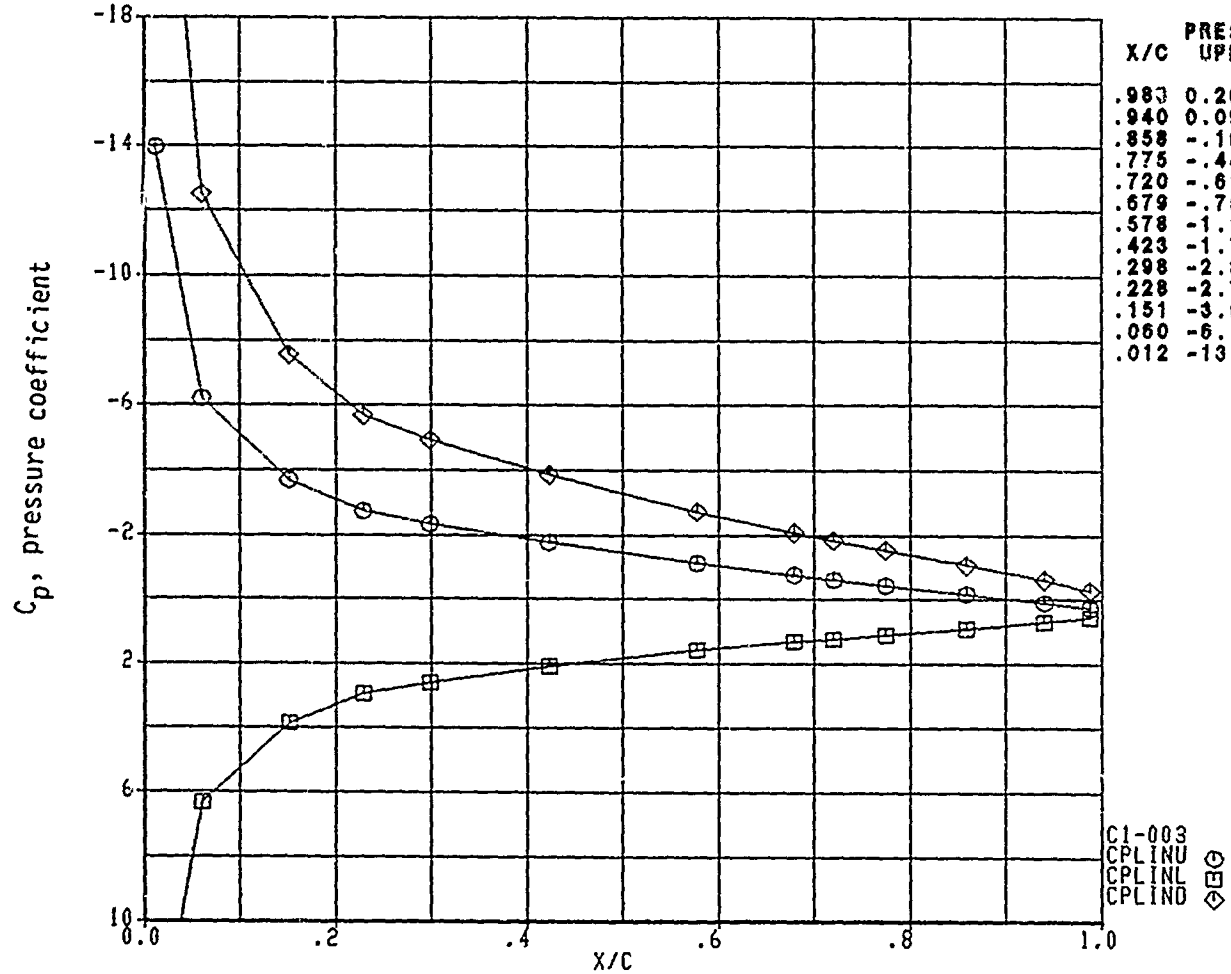



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1788 | 0.4356 | -.2568 |
| .940 | 0.0211 | 0.5886 | -.5675 |
| .858 | -.2262 | 0.8069 | -1.033 |
| .775 | -.4959 | 1.0273 | -1.523 |
| .720 | -.6695 | 1.1632 | -1.833 |
| .679 | -.8052 | 1.2694 | -2.075 |
| .578 | -1.161 | 1.5479 | -2.708 |
| .423 | -1.738 | 2.0155 | -3.754 |
| .298 | -2.228 | 2.4294 | -4.658 |
| .228 | -2.553 | 2.7155 | -5.269 |
| .151 | -3.336 | 3.4578 | -6.793 |
| .060 | -5.373 | 5.4521 | -10.83 |
| .012 | -11.67 | 11.933 | -23.81 |

21-DEC-80 14:46:16

Figure 575, Chordwise Pressure Distribution, Real Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968

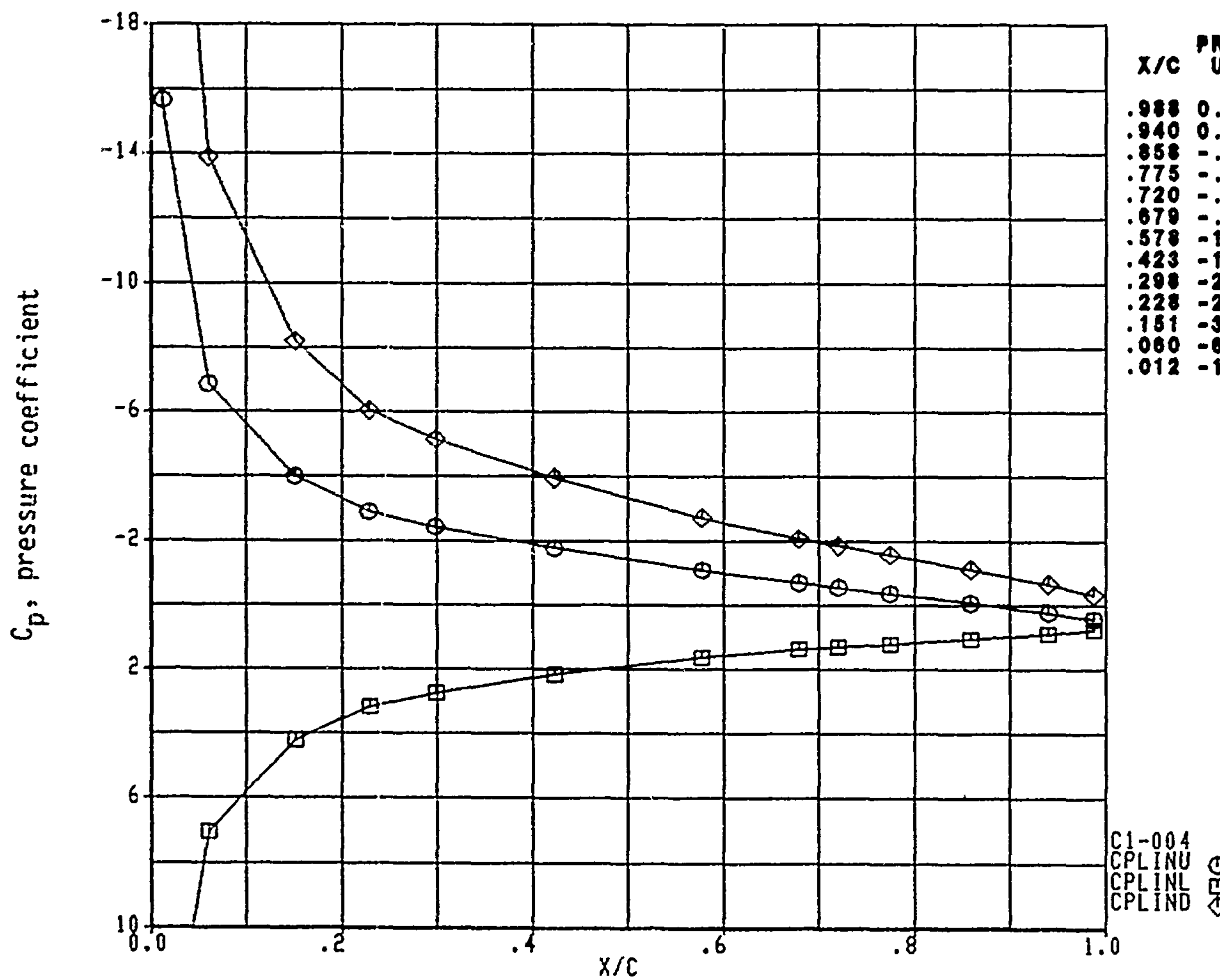



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .983 | 0.2696 | 0.5487 | -.2790 |
| .940 | 0.0957 | 0.7023 | -.6066 |
| .858 | -.1657 | 0.9020 | -1.068 |
| .775 | -.4403 | 1.0948 | -1.535 |
| .720 | -.6173 | 1.2170 | -1.834 |
| .679 | -.7551 | 1.3137 | -2.069 |
| .578 | -1.126 | 1.5895 | -2.716 |
| .423 | -1.757 | 2.0936 | -3.851 |
| .298 | -2.328 | 2.5852 | -4.913 |
| .228 | -2.725 | 2.9430 | -5.668 |
| .151 | -3.684 | 3.8623 | -7.547 |
| .060 | -6.189 | 6.3242 | -12.51 |
| .012 | -13.97 | 14.083 | -28.05 |

21-DEC-80 14:46:42

Figure 506, Chordwise Pressure Distribution, Real Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.2479

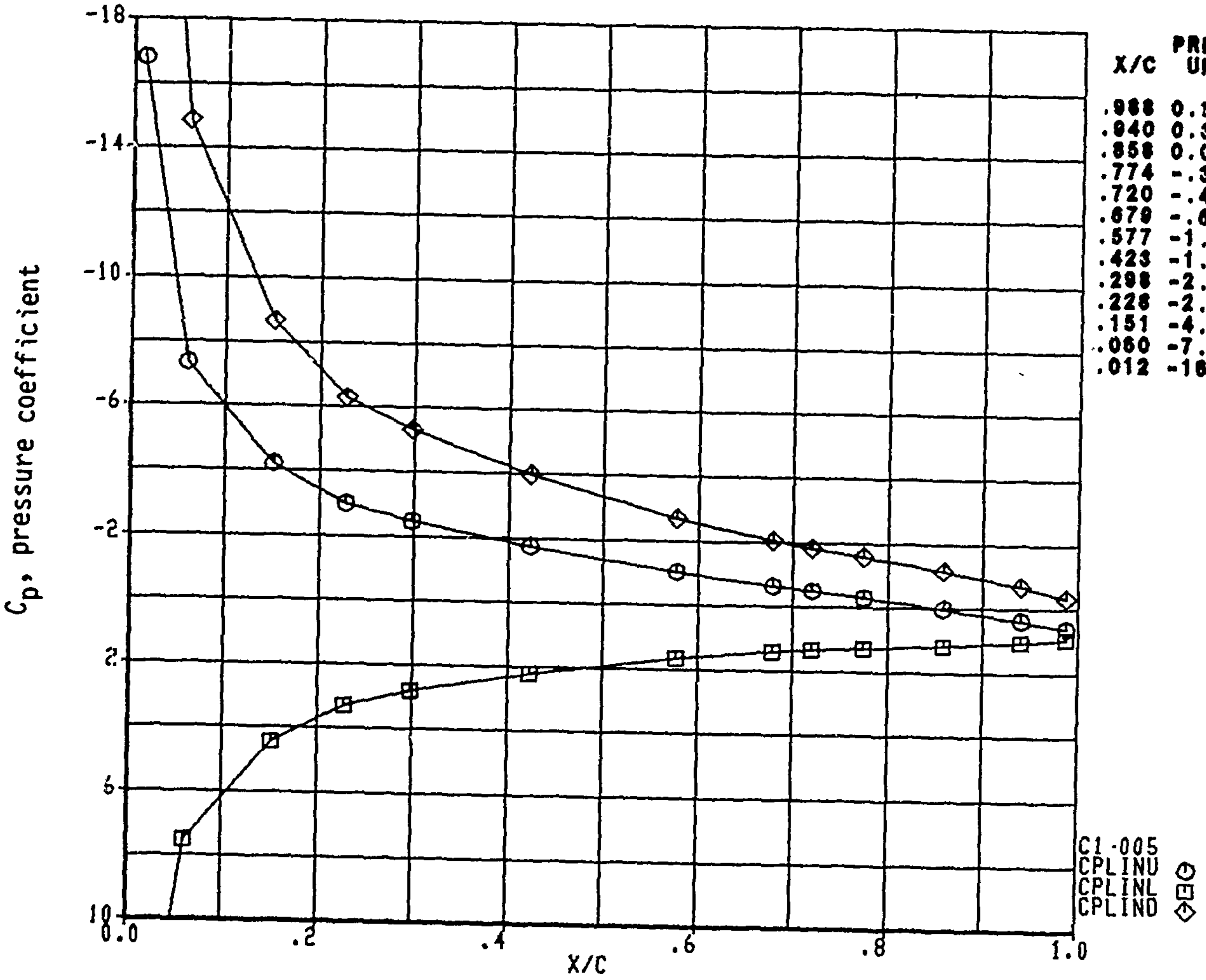



| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.4312 | 0.7398 | -.3086 |
| .940 | 0.2264 | 0.8825 | -.6562 |
| .858 | -.0700 | 1.0444 | -1.114 |
| .775 | -.3639 | 1.1939 | -1.558 |
| .720 | -.5473 | 1.2905 | -1.838 |
| .679 | -.6892 | 1.3718 | -2.061 |
| .578 | -1.080 | 1.6340 | -2.714 |
| .423 | -1.766 | 2.1713 | -3.938 |
| .298 | -2.423 | 2.7356 | -5.158 |
| .228 | -2.888 | 3.1592 | -6.047 |
| .151 | -3.984 | 4.2148 | -8.199 |
| .060 | -6.858 | 7.0455 | -13.90 |
| .012 | -15.66 | 15.827 | -31.49 |

21-DEC-80 14:47:09

Figure 507, Chordwise Pressure Distribution, Real Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.4037

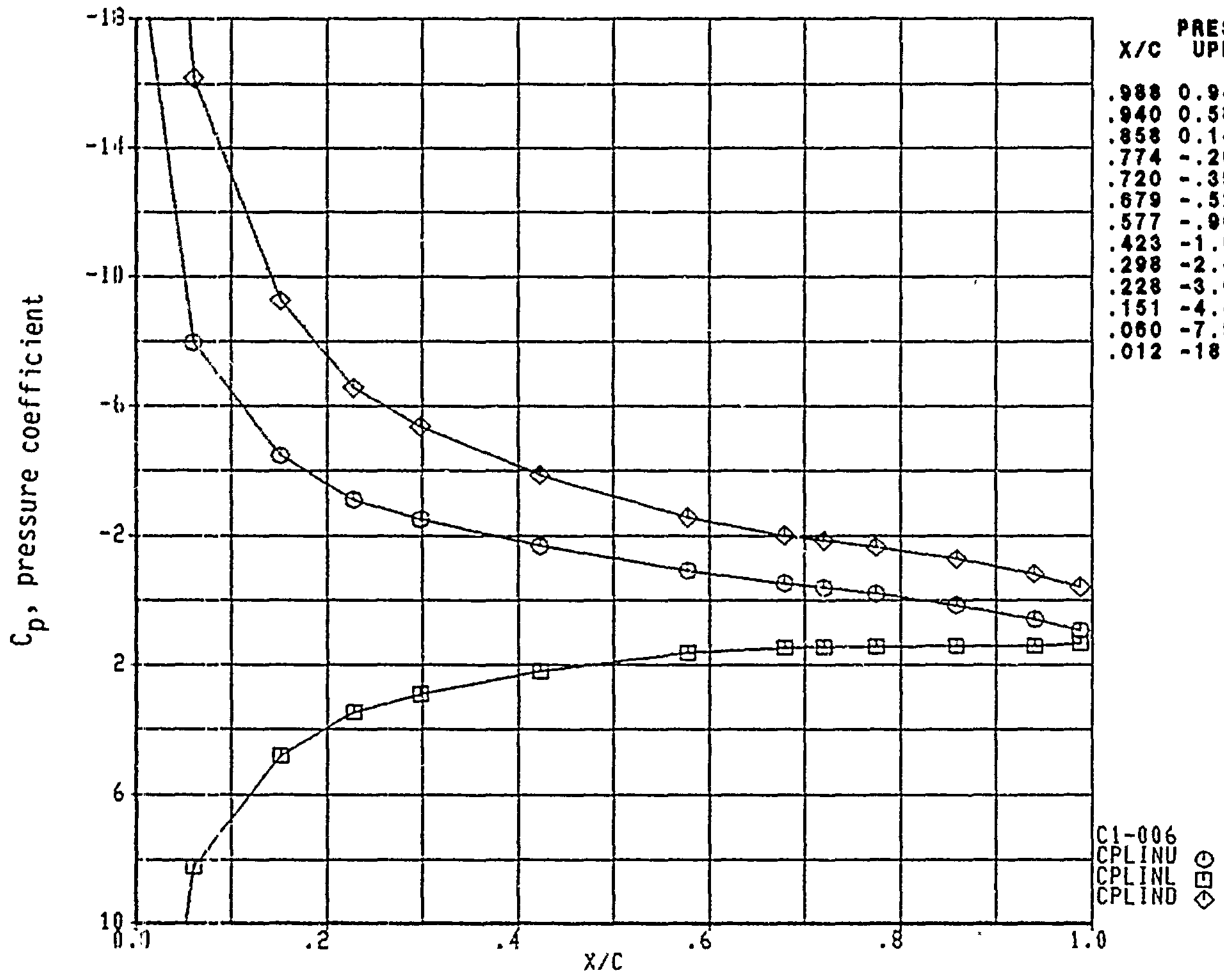



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.3017 | 0.9413 | -.3397 |
| .940 | 0.3550 | 1.0610 | -.7060 |
| .858 | 0.0162 | 1.1772 | -1.161 |
| .774 | -.3002 | 1.2828 | -1.583 |
| .720 | -.4855 | 1.3502 | -1.836 |
| .679 | -.6271 | 1.4127 | -2.040 |
| .577 | -1.027 | 1.6524 | -2.679 |
| .423 | -1.755 | 2.2093 | -3.964 |
| .298 | -2.472 | 2.8278 | -5.300 |
| .228 | -2.991 | 3.3005 | -6.292 |
| .151 | -4.188 | 4.4545 | -8.642 |
| .060 | -7.319 | 7.5417 | -14.86 |
| .012 | -16.81 | 17.007 | -33.81 |

21-DEC-80 14:47:33

Figure 508. Chordwise Pressure Distribution, Real Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.5906

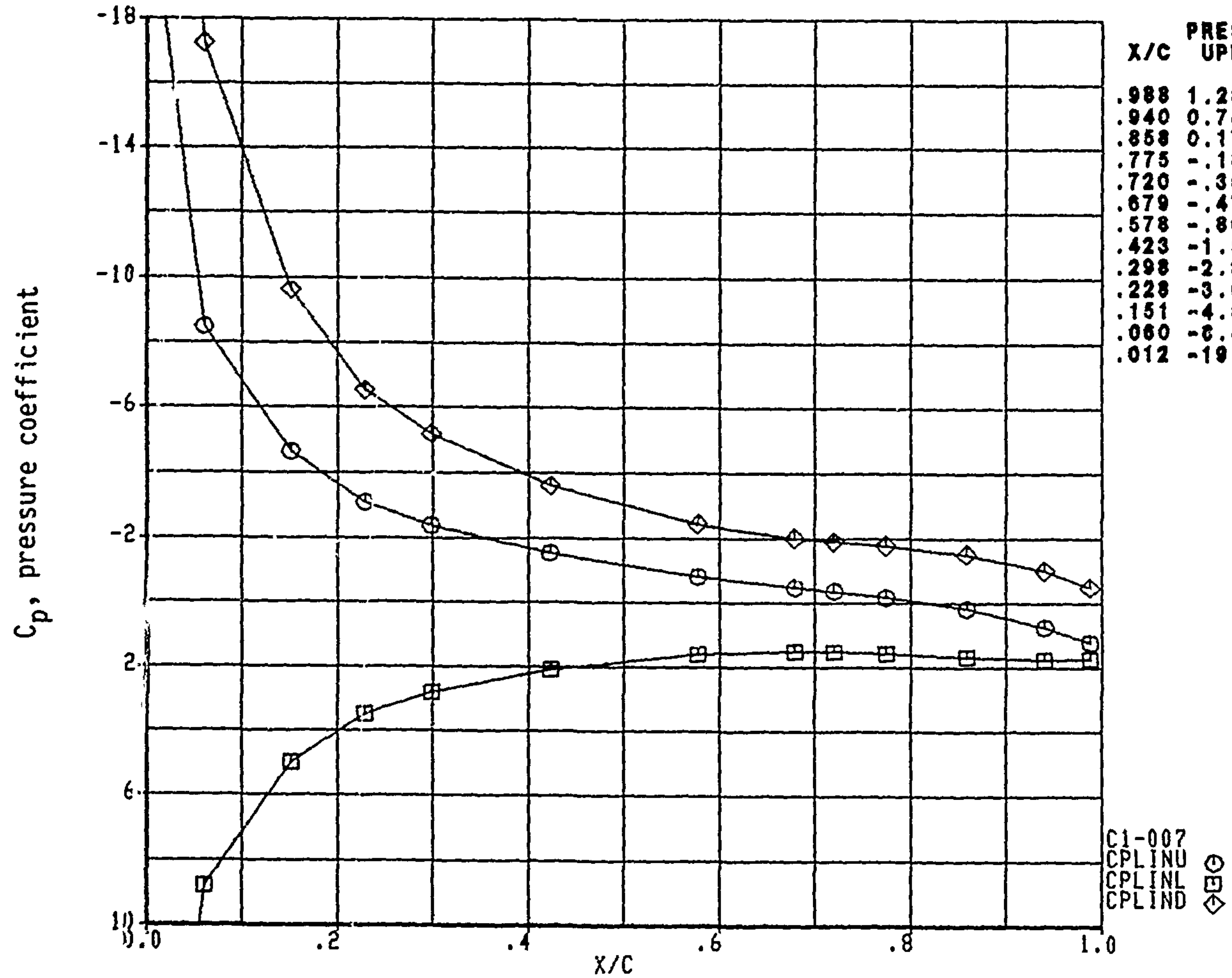



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.9431 | 1.3438 | -.4006 |
| .940 | 0.5898 | 1.4104 | -.8205 |
| .858 | 0.1425 | 1.4255 | -1.283 |
| .774 | -.2092 | 1.4363 | -1.645 |
| .720 | -.3929 | 1.4462 | -1.839 |
| .679 | -.5272 | 1.4700 | -1.997 |
| .577 | -.9083 | 1.6396 | -2.548 |
| .423 | -1.673 | 2.1963 | -3.869 |
| .298 | -2.486 | 2.8990 | -5.385 |
| .228 | -3.095 | 3.4592 | -6.554 |
| .151 | -4.473 | 4.7910 | -9.264 |
| .060 | -7.956 | 8.2255 | -16.18 |
| .012 | -18.36 | 18.607 | -36.97 |

21-DEC-80 14:48:06

Figure 505, Chordwise Pressure Distribution, Real Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.7035

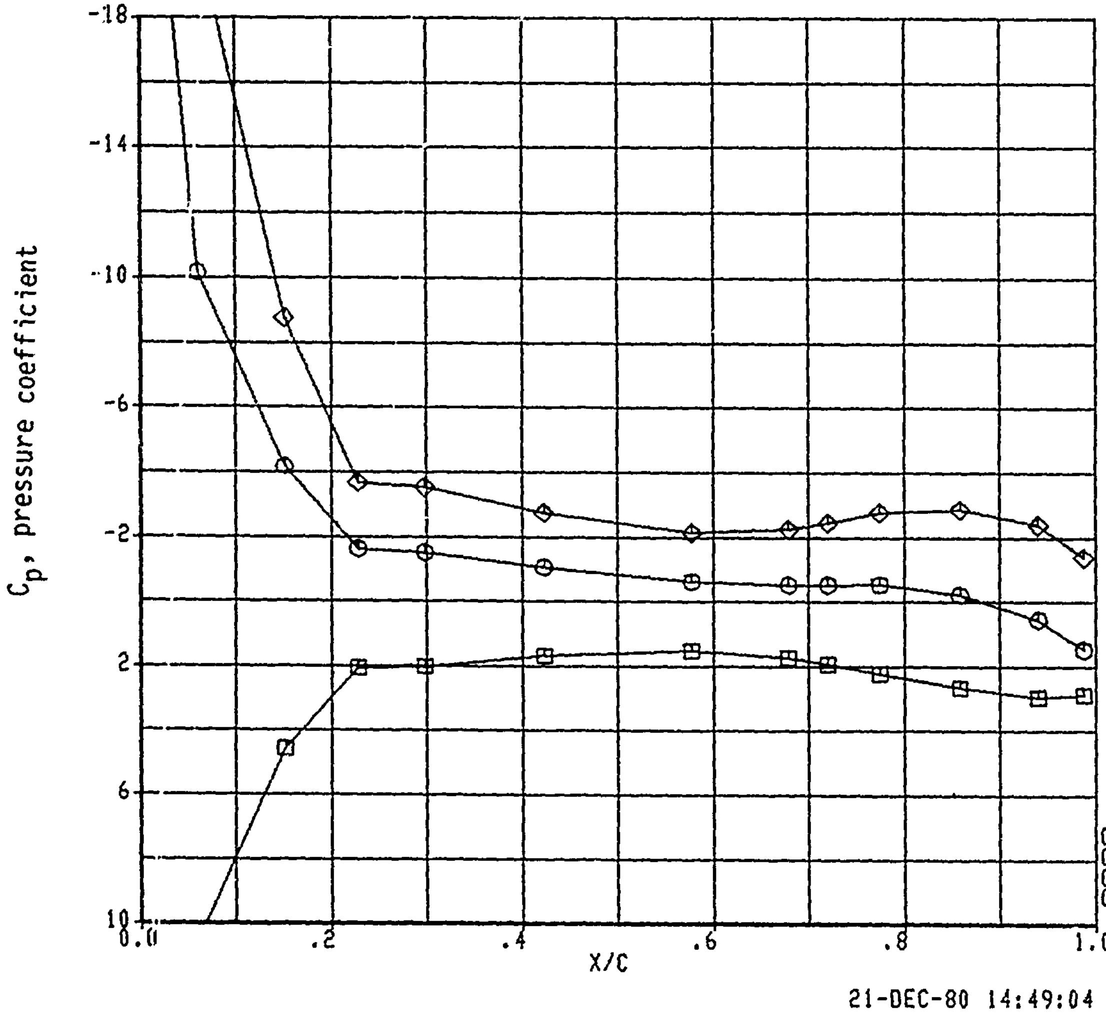



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 1.2345 | 1.7285 | -.4940 |
| .940 | 0.7435 | 1.7582 | -1.015 |
| .858 | 0.1767 | 1.6949 | -1.518 |
| .775 | -.1818 | 1.5863 | -1.768 |
| .720 | -.3547 | 1.5394 | -1.894 |
| .679 | -.4739 | 1.5240 | -1.998 |
| .578 | -.8081 | 1.6100 | -2.418 |
| .423 | -1.522 | 2.0905 | -3.612 |
| .298 | -2.366 | 2.8155 | -5.181 |
| .228 | -3.070 | 3.4687 | -6.539 |
| .151 | -4.640 | 4.9907 | -9.631 |
| .060 | -8.478 | 8.7804 | -17.26 |
| .012 | -19.54 | 19.820 | -39.36 |

21-DEC-80 14:48:41

Figure 510, Chordwise Pressure Distribution, Real Configuration 6

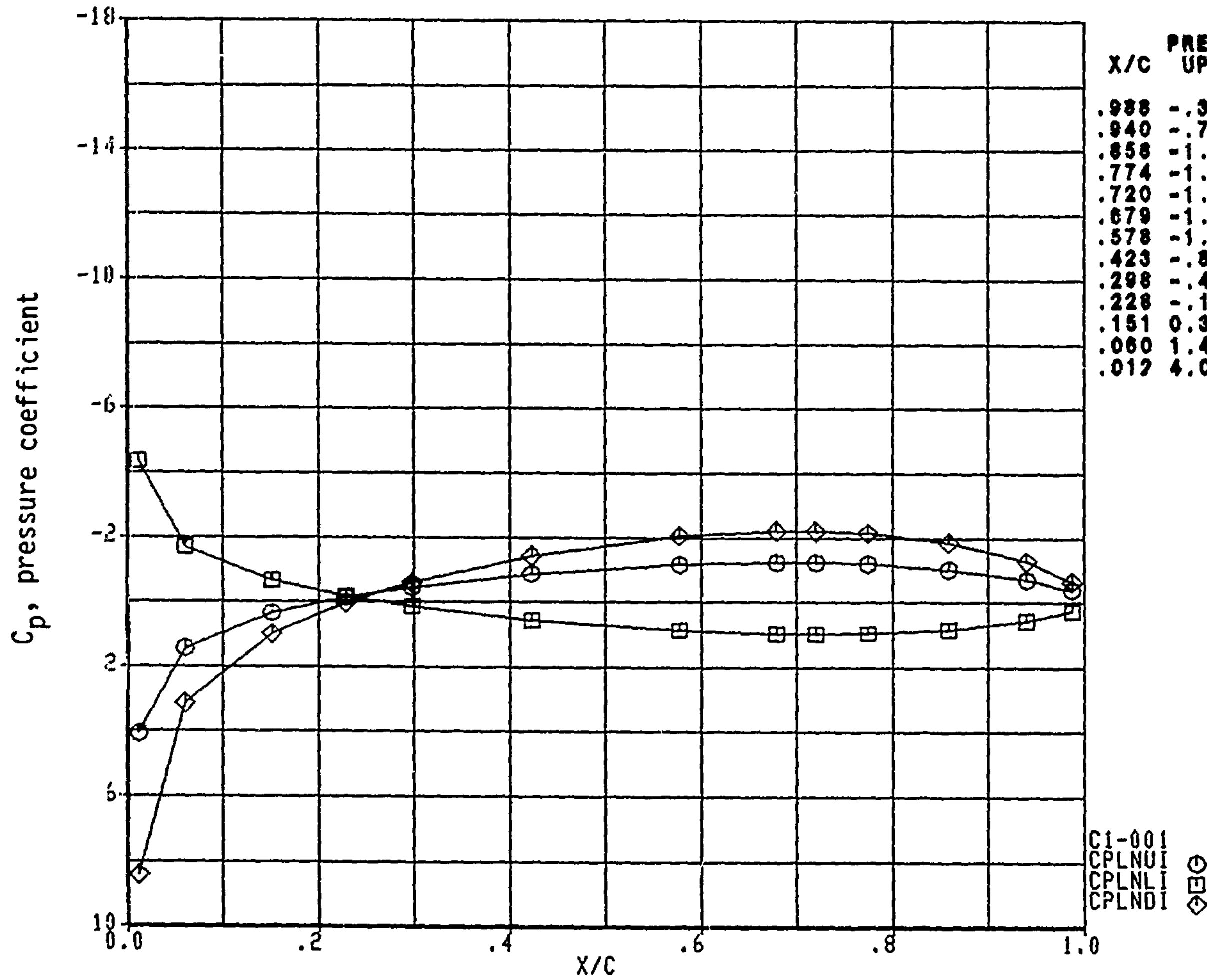
MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 1.4814 | 2.8683 | -1.387 |
| .940 | 0.5518 | 2.9426 | -2.391 |
| .858 | -.2185 | 2.6439 | -2.862 |
| .774 | -.5295 | 2.2396 | -2.769 |
| .720 | -.5263 | 1.9145 | -2.441 |
| .679 | -.5177 | 1.7221 | -2.240 |
| .577 | -.6224 | 1.5212 | -2.144 |
| .423 | -1.048 | 1.6867 | -2.735 |
| .298 | -1.513 | 2.0241 | -3.536 |
| .228 | -1.615 | 2.0724 | -3.687 |
| .151 | -4.174 | 4.5820 | -8.756 |
| .060 | -10.16 | 10.522 | -20.69 |
| .012 | -25.03 | 25.363 | -50.39 |

Figure 511, Chordwise Pressure Distribution, Real Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.3524

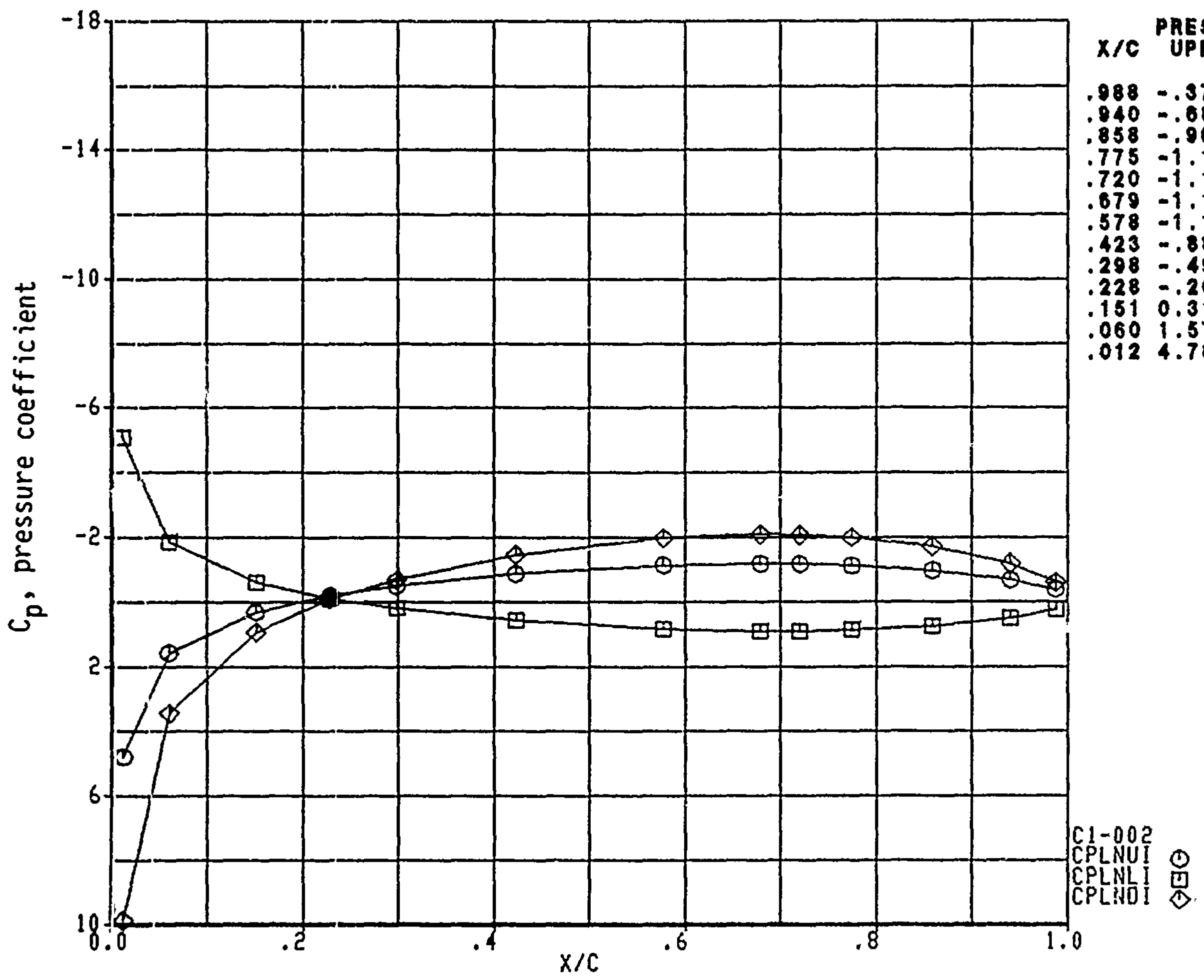



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3851 | 0.2655 | -.6506 |
| .940 | -.7140 | 0.5637 | -1.278 |
| .858 | -1.025 | 0.8260 | -1.851 |
| .774 | -1.190 | 0.9502 | -2.140 |
| .720 | -1.229 | 0.9681 | -2.197 |
| .679 | -1.235 | 0.9611 | -2.196 |
| .578 | -1.167 | 0.8717 | -2.039 |
| .423 | -.8651 | 0.5571 | -1.422 |
| .298 | -.4404 | 0.1362 | -.5766 |
| .228 | -.1324 | -.1652 | 0.0327 |
| .151 | 0.3528 | -.6400 | 0.9929 |
| .060 | 1.4316 | -1.703 | 3.1341 |
| .012 | 4.0800 | -4.341 | 8.4210 |

21-DEC-80 14:56:06

Figure 512, Chordwise Pressure Distribution, Imaginary Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.6853

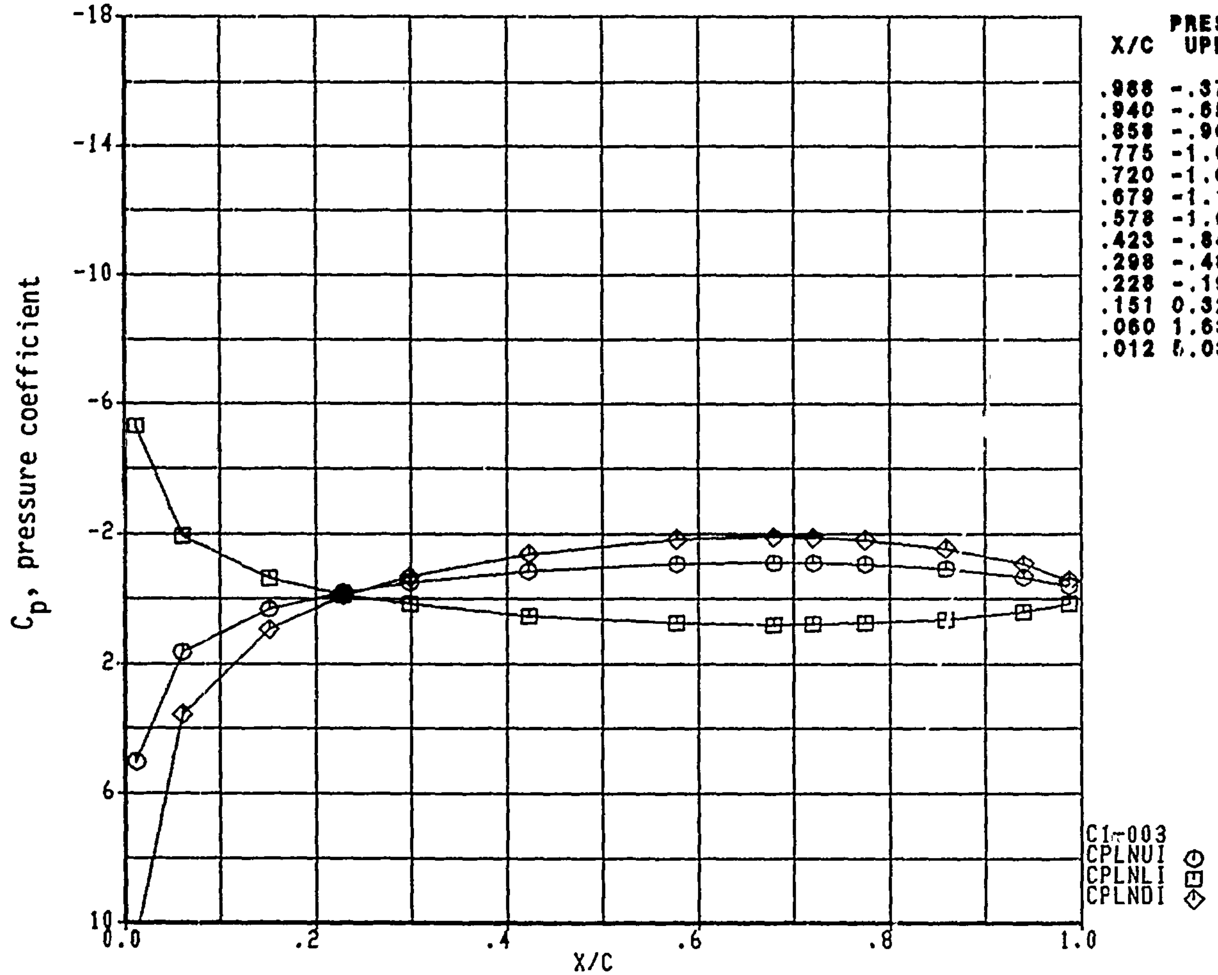



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3781 | 0.2284 | -.6065 |
| .940 | -.6829 | 0.5033 | -1.186 |
| .858 | -.9696 | 0.7461 | -1.716 |
| .775 | -1.128 | 0.8703 | -1.998 |
| .720 | -1.171 | 0.8975 | -2.069 |
| .679 | -1.182 | 0.8985 | -2.081 |
| .578 | -1.135 | 0.8356 | -1.971 |
| .423 | -.8810 | 0.5721 | -1.453 |
| .298 | -.4971 | 0.1900 | -.6871 |
| .228 | -.2002 | -.1029 | -.0973 |
| .151 | 0.3152 | -.6117 | 0.9269 |
| .060 | 1.5723 | -1.858 | 3.4306 |
| .012 | 4.7893 | -5.069 | 9.8579 |

21-DEC-80 15:01:30

Figure 513, Chordwise Pressure Distribution, Imaginary Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
0.9968

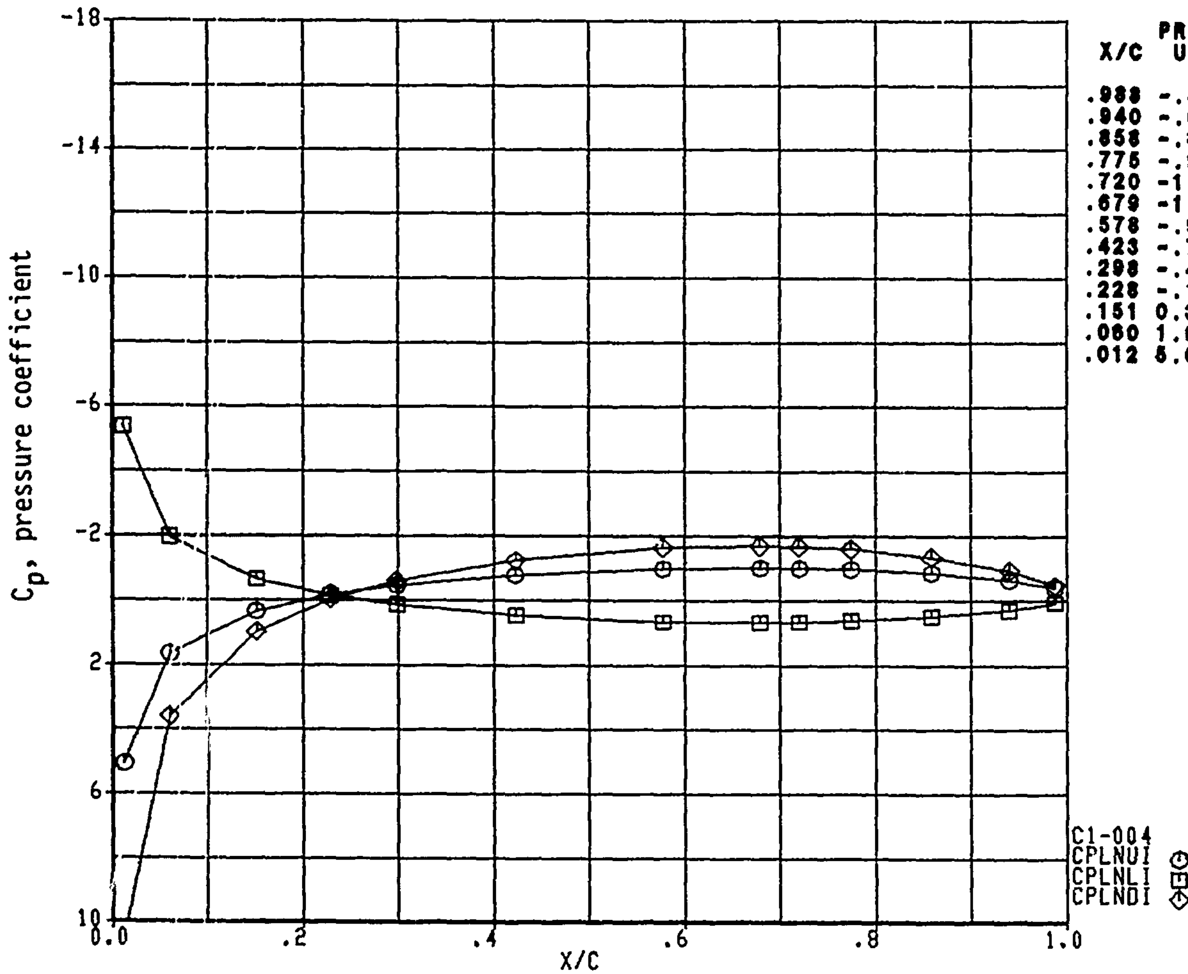



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3778 | 0.1650 | -.5428 |
| .940 | -.6512 | 0.4097 | -1.061 |
| .858 | -.9071 | 0.6296 | -1.537 |
| .775 | -1.049 | 0.7502 | -1.799 |
| .720 | -1.089 | 0.7816 | -1.871 |
| .679 | -1.102 | 0.7905 | -1.892 |
| .578 | -1.067 | 0.7519 | -1.819 |
| .423 | -.8427 | 0.5292 | -1.372 |
| .298 | -.4854 | 0.1764 | -.6618 |
| .228 | -.1987 | -.1067 | -.0921 |
| .151 | 0.3241 | -.6246 | 0.9488 |
| .060 | 1.6375 | -1.931 | 3.5682 |
| .012 | 5.0307 | -5.319 | 10.350 |

21-DEC-80 14:57:54

Figure 514, Chordwise Pressure Distribution, Imaginary Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.2479

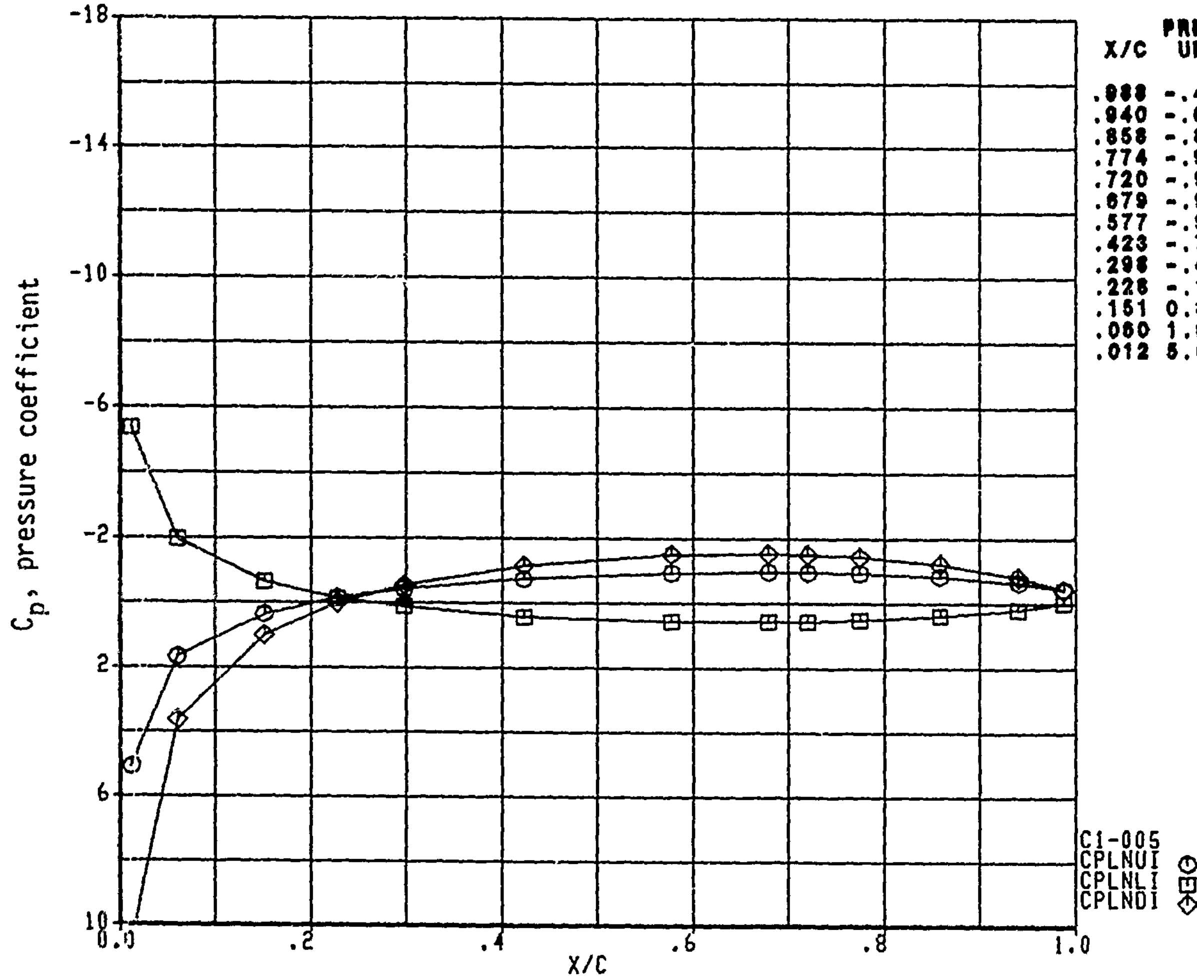



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.4053 | 0.0708 | -.4761 |
| .940 | -.6426 | 0.2877 | -.9304 |
| .858 | -.8598 | 0.4906 | -1.350 |
| .775 | -.9793 | 0.6128 | -1.592 |
| .720 | -1.012 | 0.6517 | -1.664 |
| .679 | -1.022 | 0.6671 | -1.689 |
| .578 | -.9897 | 0.6497 | -1.640 |
| .423 | -.7875 | 0.4650 | -1.253 |
| .298 | -.4515 | 0.1399 | -.5914 |
| .228 | -.1726 | -.1338 | -.0388 |
| .151 | 0.3430 | -.6442 | 0.9873 |
| .060 | 1.6560 | -1.951 | 3.6069 |
| .012 | 5.0676 | -5.359 | 10.427 |

21-DEC-80 14:58:16

Figure 515, Chordwise Pressure Distribution, Imaginary Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.4037

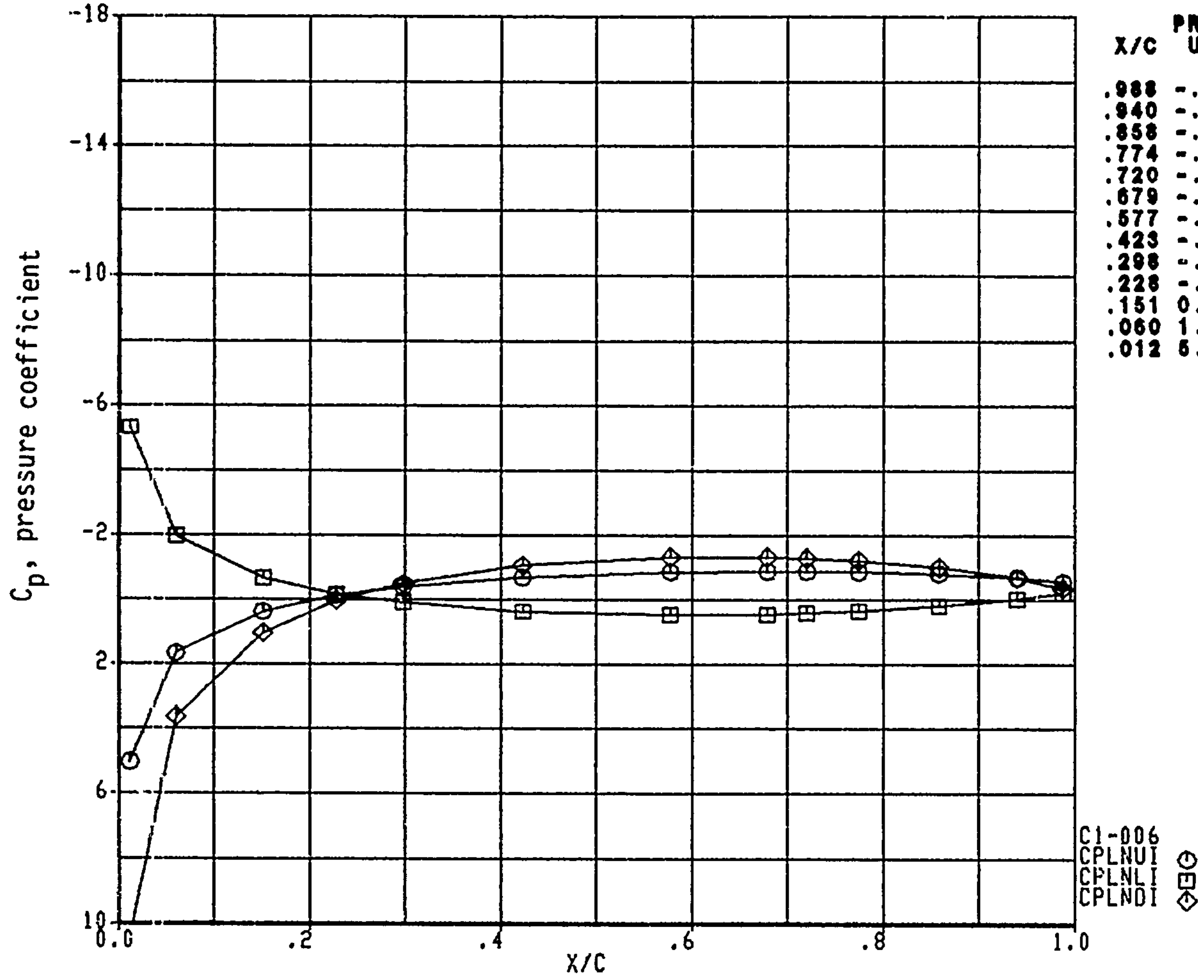



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.4506 | -.0234 | -.4273 |
| .940 | -.6547 | 0.1797 | -.8344 |
| .858 | -.8362 | 0.3773 | -1.214 |
| .774 | -.9343 | 0.5056 | -1.440 |
| .720 | -.9600 | 0.5522 | -1.512 |
| .679 | -.9668 | 0.5739 | -1.541 |
| .577 | -.9353 | 0.5736 | -1.509 |
| .423 | -.7478 | 0.4176 | -1.165 |
| .298 | -.4277 | 0.1138 | -.5415 |
| .226 | -.1549 | -.1521 | -.0027 |
| .151 | 0.3562 | -.6570 | 1.0133 |
| .060 | 1.6645 | -1.959 | 3.6235 |
| .012 | 5.0604 | -5.352 | 10.412 |

21-DEC-80 14:58:39

Figure 516, Chordwise Pressure Distribution, Imaginary Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.5906

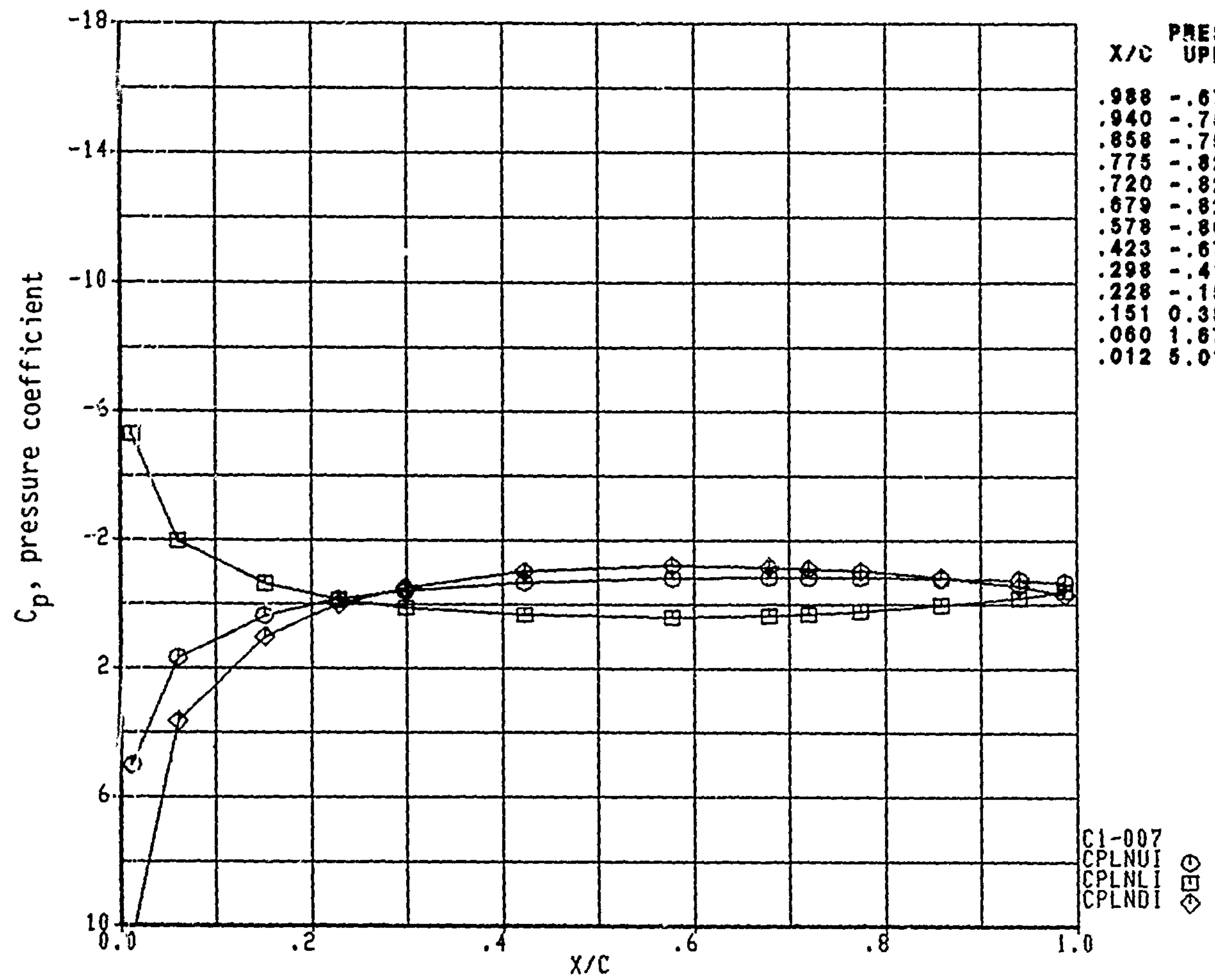



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.5624 | -.2097 | -.3528 |
| .940 | -.7055 | -.0143 | -.6911 |
| .858 | -.8159 | 0.1954 | -1.011 |
| .774 | -.8760 | 0.3434 | -1.219 |
| .720 | -.8889 | 0.4043 | -1.293 |
| .679 | -.8910 | 0.4374 | -1.328 |
| .577 | -.8620 | 0.4676 | -1.330 |
| .423 | -.7021 | 0.3615 | -1.064 |
| .298 | -.4064 | 0.0898 | -.4962 |
| .228 | -.1421 | -.1652 | 0.0231 |
| .151 | 0.3680 | -.6674 | 1.0354 |
| .060 | 1.6729 | -1.964 | 3.6373 |
| .012 | 5.0340 | -5.323 | 10.356 |

21-DEC-80 14:59:02

Figure 517, Chordwise Pressure Distribution, Imaginary Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.7035

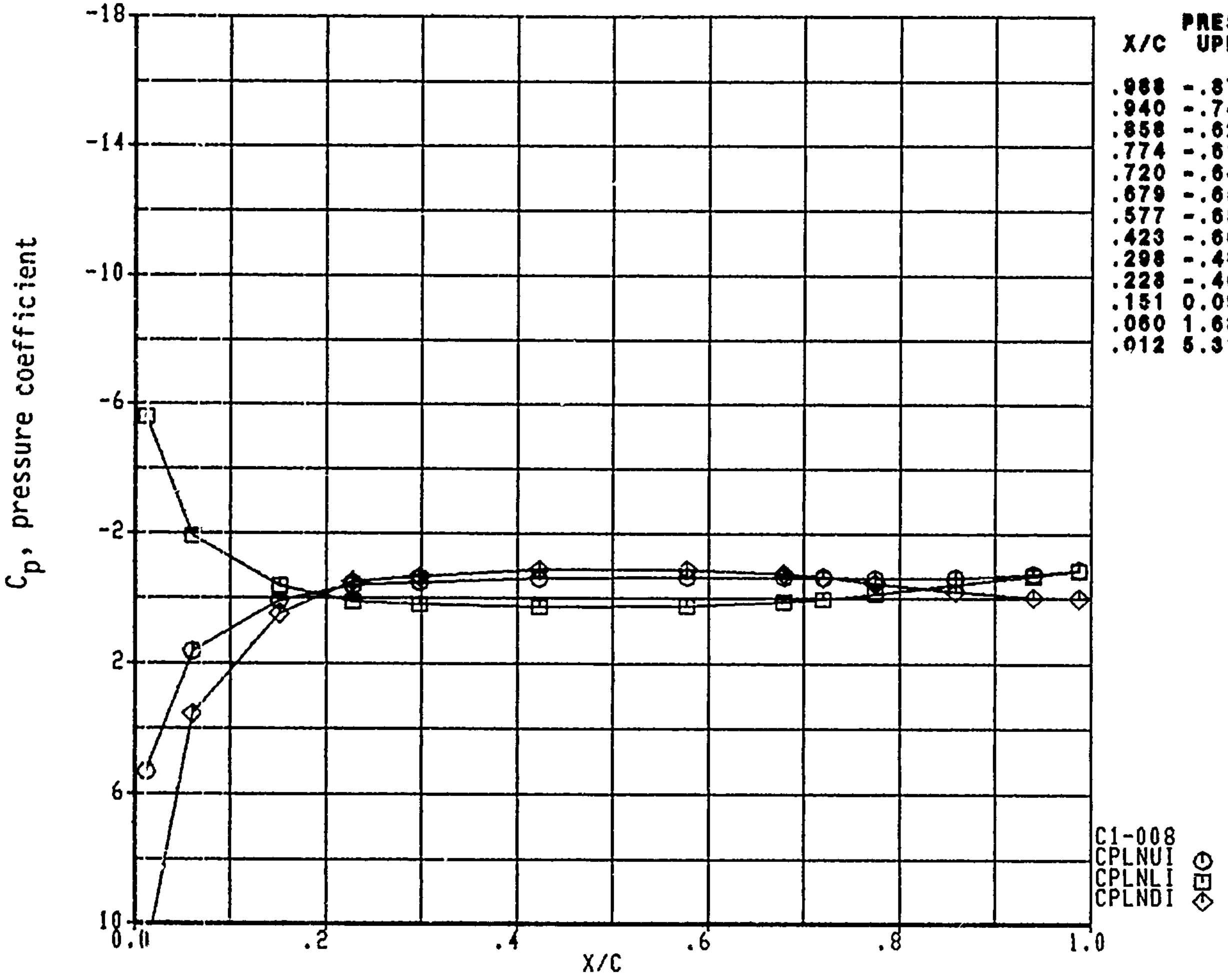



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.6788 | -.3883 | -.2885 |
| .940 | -.7537 | -.1894 | -.5642 |
| .858 | -.7964 | 0.0358 | -.8321 |
| .775 | -.8248 | 0.2139 | -1.039 |
| .720 | -.8285 | 0.2896 | -1.118 |
| .679 | -.8286 | 0.3341 | -1.163 |
| .578 | -.8039 | 0.3898 | -1.194 |
| .423 | -.6764 | 0.3307 | -1.007 |
| .298 | -.4143 | 0.0981 | -.5124 |
| .228 | -.1582 | -.1475 | -.0106 |
| .151 | 0.3554 | -.6518 | 1.0072 |
| .060 | 1.6771 | -1.965 | 3.6427 |
| .012 | 5.0129 | -5.298 | 10.311 |

21-DEC-80 14:59:22

Figure 518, Chordwise Pressure Distribution, Imaginary Configuration 6

MACH NO. = 0.800 ANGLE OF ATTACK = 0.000
1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.8710 | -.8675 | -.0035 |
| .940 | -.7470 | -.7028 | -.0443 |
| .858 | -.6283 | -.4263 | -.2020 |
| .774 | -.6117 | -.1505 | -.4612 |
| .720 | -.6462 | 0.0217 | -.6679 |
| .679 | -.6519 | 0.1048 | -.7568 |
| .577 | -.6524 | 0.2253 | -.8777 |
| .423 | -.6074 | 0.2669 | -.8744 |
| .298 | -.4843 | 0.1778 | -.6621 |
| .228 | -.4062 | 0.1122 | -.5185 |
| .151 | 0.0950 | -.3792 | 0.4742 |
| .060 | 1.6350 | -1.911 | 3.5459 |
| .012 | 5.3133 | -5.586 | 10.899 |

21-DEC-80 14:59:53

Figure 519, Chordwise Pressure Distribution, Imaginary Configuration 6

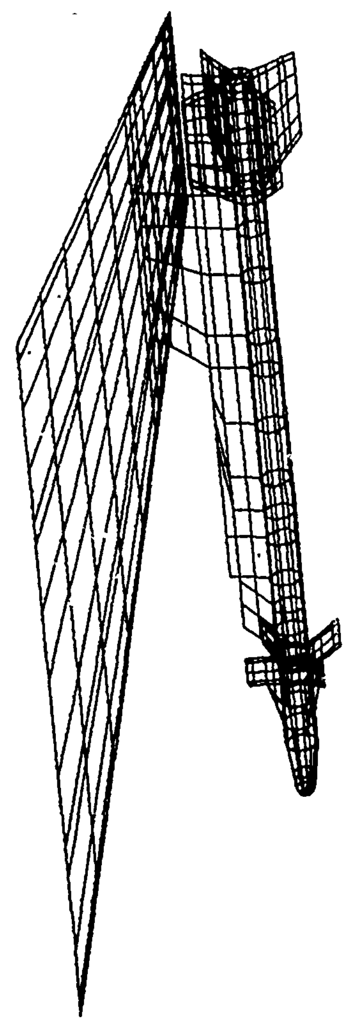
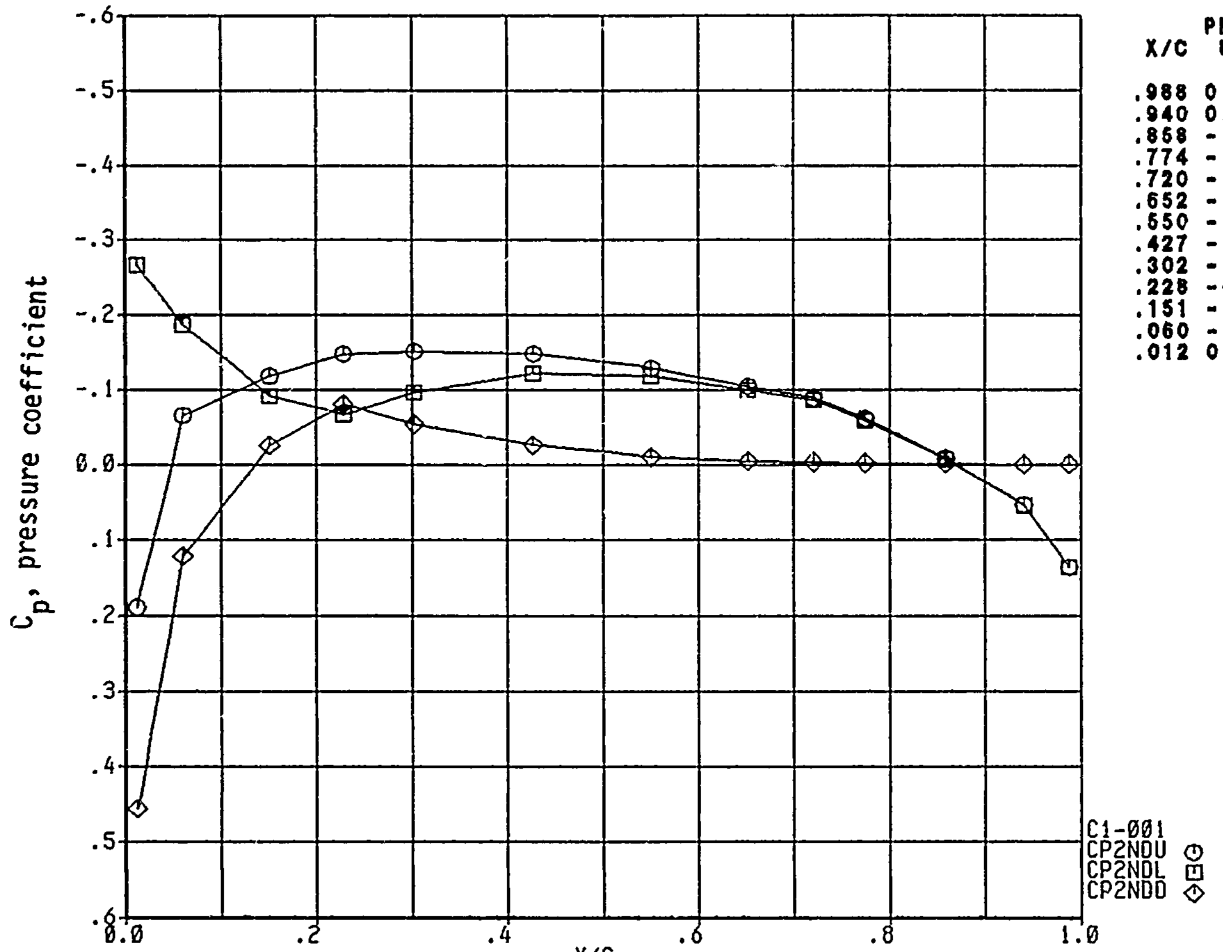


Figure 520, Configuration 7

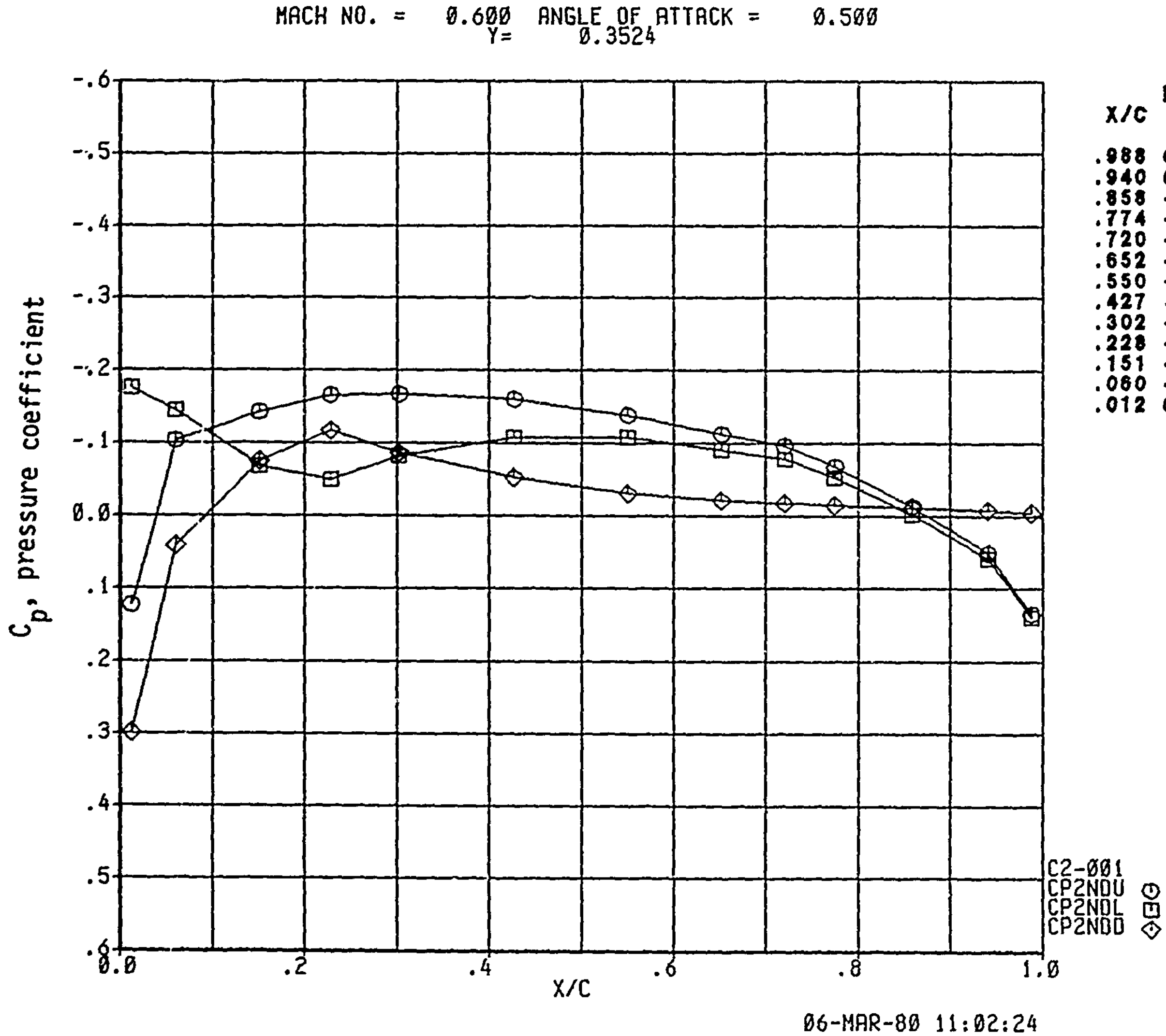
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
Y= 0.3524




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1362 | 0.1366 | -.0003 |
| .940 | 0.0541 | 0.0548 | -.0007 |
| .858 | -.0085 | -.0071 | -.0014 |
| .774 | -.0614 | -.0591 | -.0023 |
| .720 | -.0894 | -.0861 | -.0034 |
| .652 | -.1046 | -.0997 | -.0049 |
| .550 | -.1284 | -.1182 | -.0102 |
| .427 | -.1479 | -.1215 | -.0264 |
| .302 | -.1512 | -.0971 | -.0542 |
| .228 | -.1477 | -.0673 | -.0803 |
| .151 | -.1184 | -.0926 | -.0258 |
| .060 | -.0657 | -.1872 | 0.1214 |
| .012 | 0.1891 | -.2667 | 0.4558 |

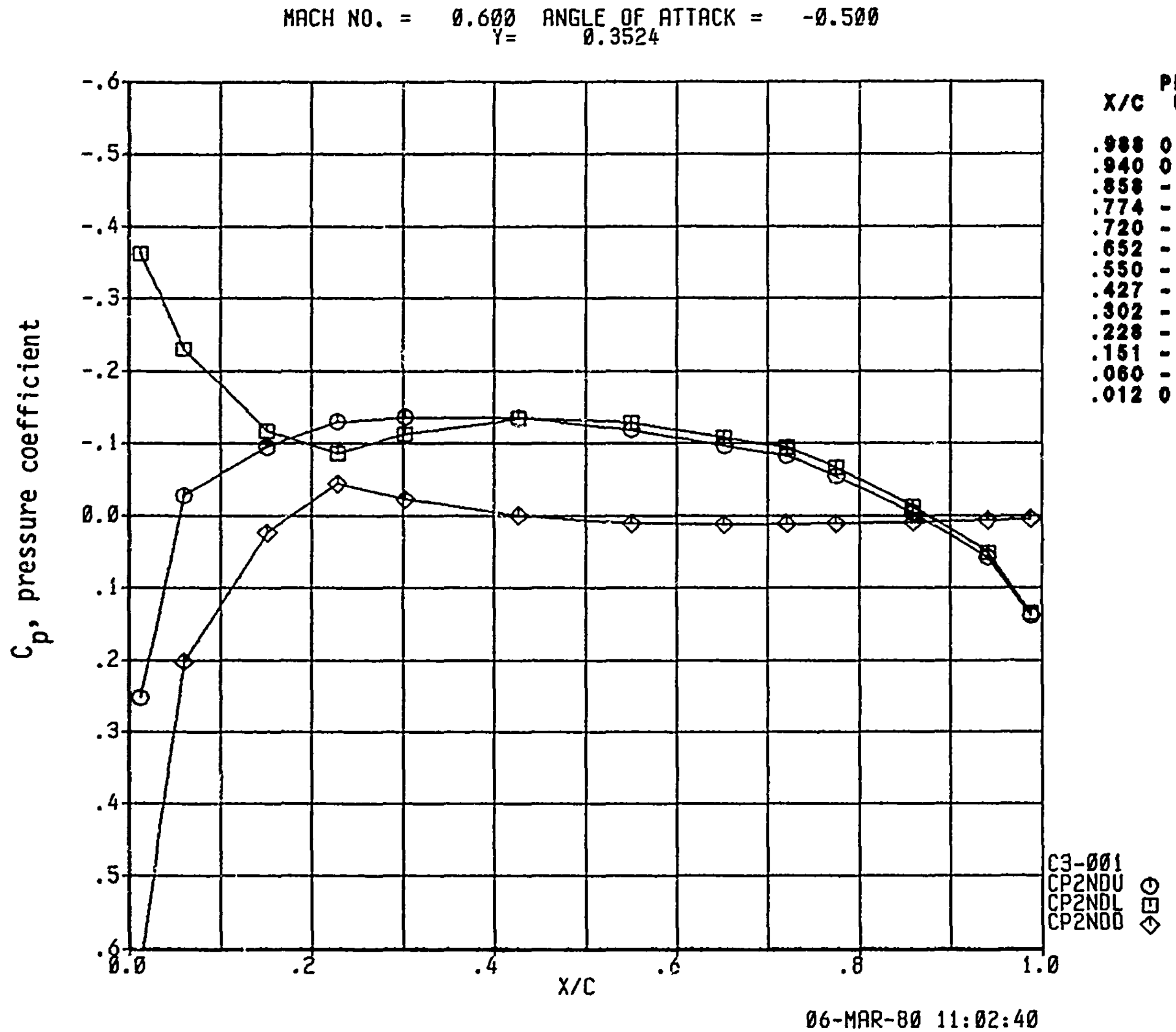
06-MAR-80 11:01:49

Figure 521, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1343 | 0.1389 | -.0046 |
| .940 | 0.0509 | 0.0583 | -.0074 |
| .858 | -.0133 | -.0019 | -.0113 |
| .774 | -.0677 | -.0524 | -.0153 |
| .720 | -.0964 | -.0785 | -.0179 |
| .652 | -.1127 | -.0911 | -.0217 |
| .550 | -.1384 | -.1077 | -.0307 |
| .427 | -.1606 | -.1084 | -.0523 |
| .302 | -.1670 | -.0812 | -.0857 |
| .228 | -.1656 | -.0492 | -.1165 |
| .151 | -.1424 | -.0677 | -.0747 |
| .060 | -.1037 | -.1451 | 0.0414 |
| .012 | 0.1228 | -.1759 | 0.2987 |

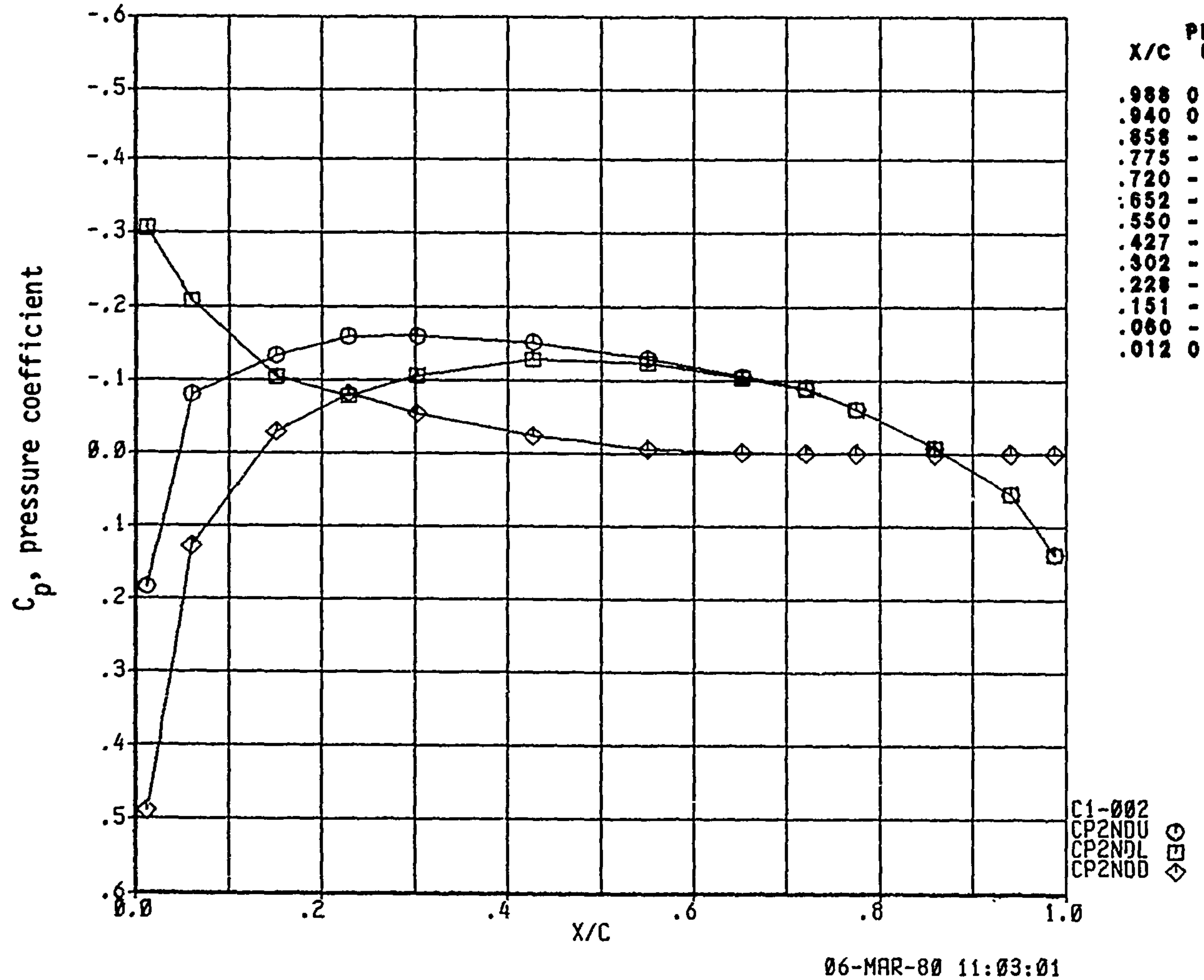
Figure 522, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1381 | 0.1342 | 0.0039 |
| .940 | 0.0571 | 0.0511 | 0.0060 |
| .858 | -.0039 | -.0125 | 0.0087 |
| .774 | -.0553 | -.0660 | 0.0106 |
| .720 | -.0826 | -.0938 | 0.0112 |
| .652 | -.0967 | -.1085 | 0.0118 |
| .550 | -.1186 | -.1289 | 0.0104 |
| .427 | -.1354 | -.1348 | -.0007 |
| .302 | -.1358 | -.1132 | -.0226 |
| .228 | -.1301 | -.0858 | -.0442 |
| .151 | -.0948 | -.1179 | 0.0231 |
| .060 | -.0285 | -.2301 | 0.2016 |
| .012 | 0.2514 | -.3615 | 0.6130 |

Figure 523, Chordwise Pressure Distribution, Steady, Configuration 7

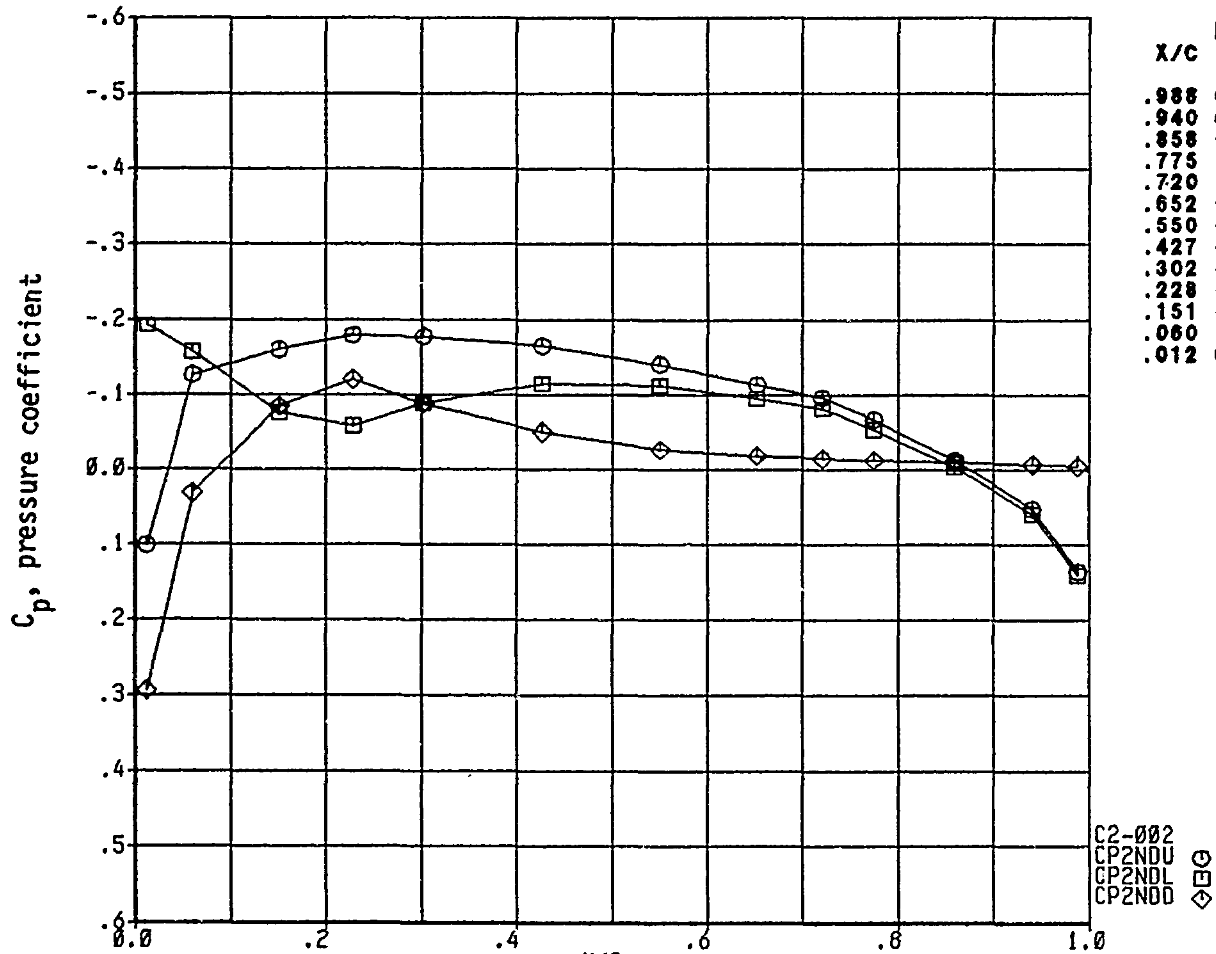
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
Y= 0.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1374 | 0.1375 | -.0002 |
| .940 | 0.0548 | 0.0549 | -.0001 |
| .858 | -.0081 | -.0082 | 0.0001 |
| .775 | -.0611 | -.0610 | 0.0000 |
| .720 | -.0898 | -.0891 | -.0006 |
| .652 | -.1054 | -.1037 | -.0017 |
| .550 | -.1302 | -.1238 | -.0063 |
| .427 | -.1521 | -.1284 | -.0237 |
| .302 | -.1605 | -.1061 | -.0545 |
| .228 | -.1598 | -.0784 | -.0814 |
| .151 | -.1336 | -.1043 | -.0294 |
| .060 | -.0810 | -.2082 | 0.1271 |
| .012 | 0.1834 | -.3060 | 0.4895 |

Figure 524, Chordwise Pressure Distribution, Steady, Configuration 7

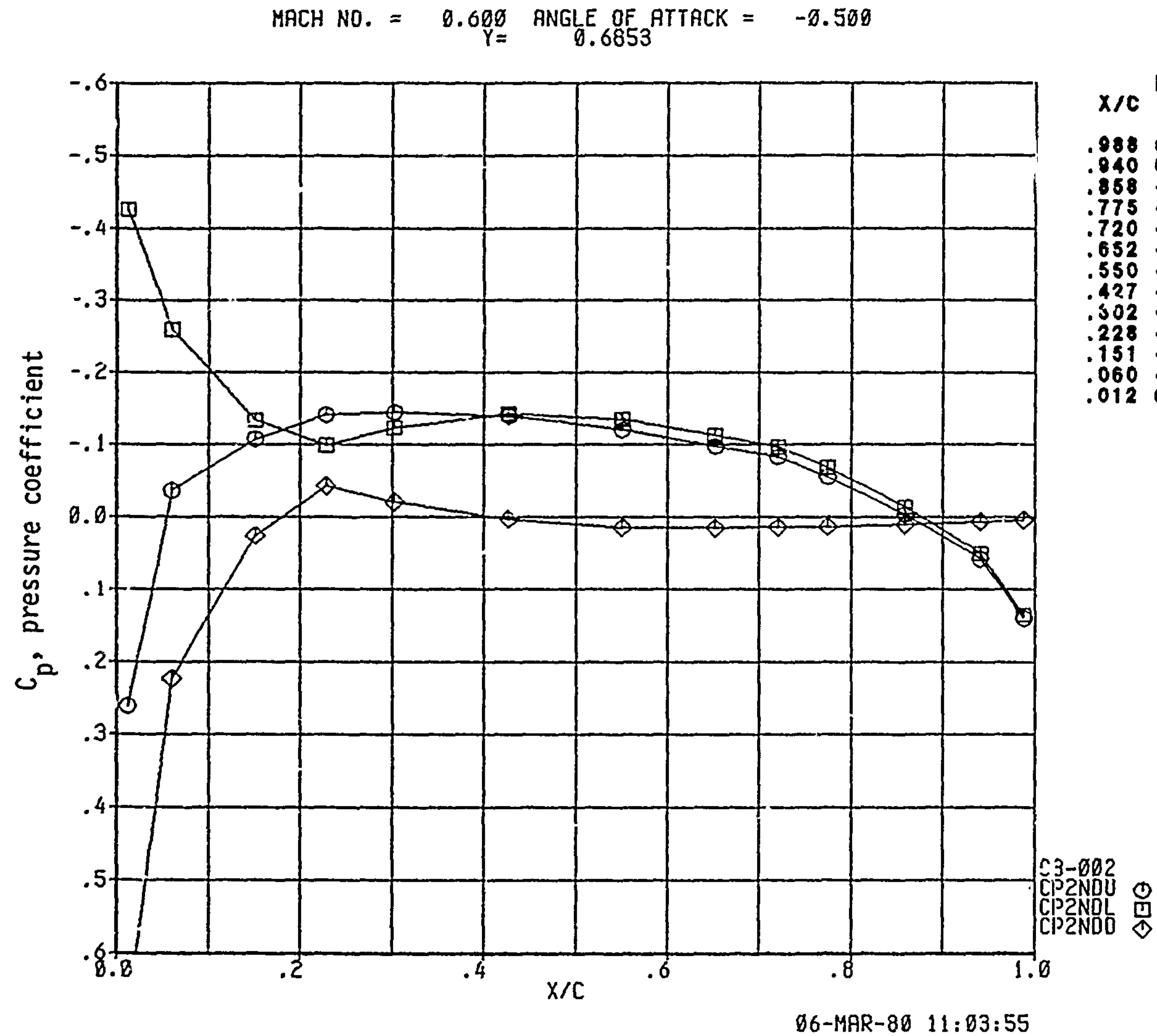
MACH NO. = 0.600 ANGLE OF ATTACK = 0.500
Y= 0.6853




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1354 | 0.1399 | -.0045 |
| .940 | 0.0516 | 0.0586 | -.0070 |
| .858 | -.0129 | -.0028 | -.0101 |
| .775 | -.0674 | -.0541 | -.0132 |
| .720 | -.0967 | -.0814 | -.0153 |
| .652 | -.1135 | -.0947 | -.0188 |
| .550 | -.1402 | -.1129 | -.0274 |
| .427 | -.1651 | -.1146 | -.0505 |
| .302 | -.1771 | -.0891 | -.0879 |
| .228 | -.1792 | -.0586 | -.1206 |
| .151 | -.1607 | -.0761 | -.0846 |
| .060 | -.1267 | -.1578 | 0.0312 |
| .012 | 0.1008 | -.1925 | 0.2932 |

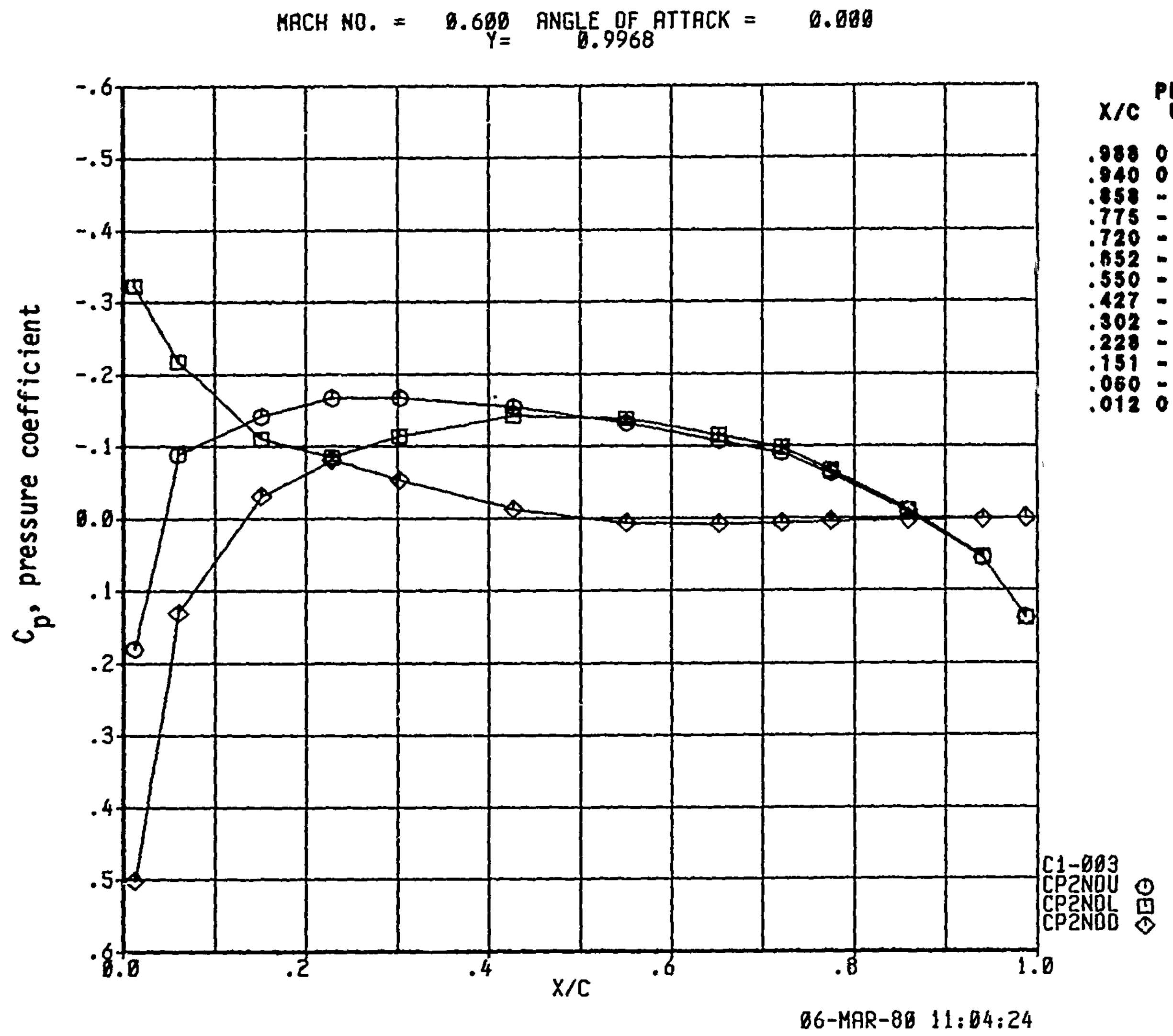
06-MAR-80 11:03:23

Figure 525, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1392 | 0.1350 | 0.0041 |
| .940 | 0.0578 | 0.0511 | 0.0068 |
| .858 | -.0035 | -.0137 | 0.0103 |
| .775 | -.0551 | -.0681 | 0.0131 |
| .720 | -.0830 | -.0971 | 0.0142 |
| .652 | -.0975 | -.1128 | 0.0154 |
| .550 | -.1203 | -.1350 | 0.0148 |
| .427 | -.1393 | -.1424 | 0.0031 |
| .302 | -.1443 | -.1233 | -.0209 |
| .228 | -.1407 | -.0985 | -.0422 |
| .151 | -.1070 | -.1328 | 0.0257 |
| .060 | -.0365 | -.2597 | 0.2232 |
| .012 | 0.2601 | -.4257 | 0.6858 |

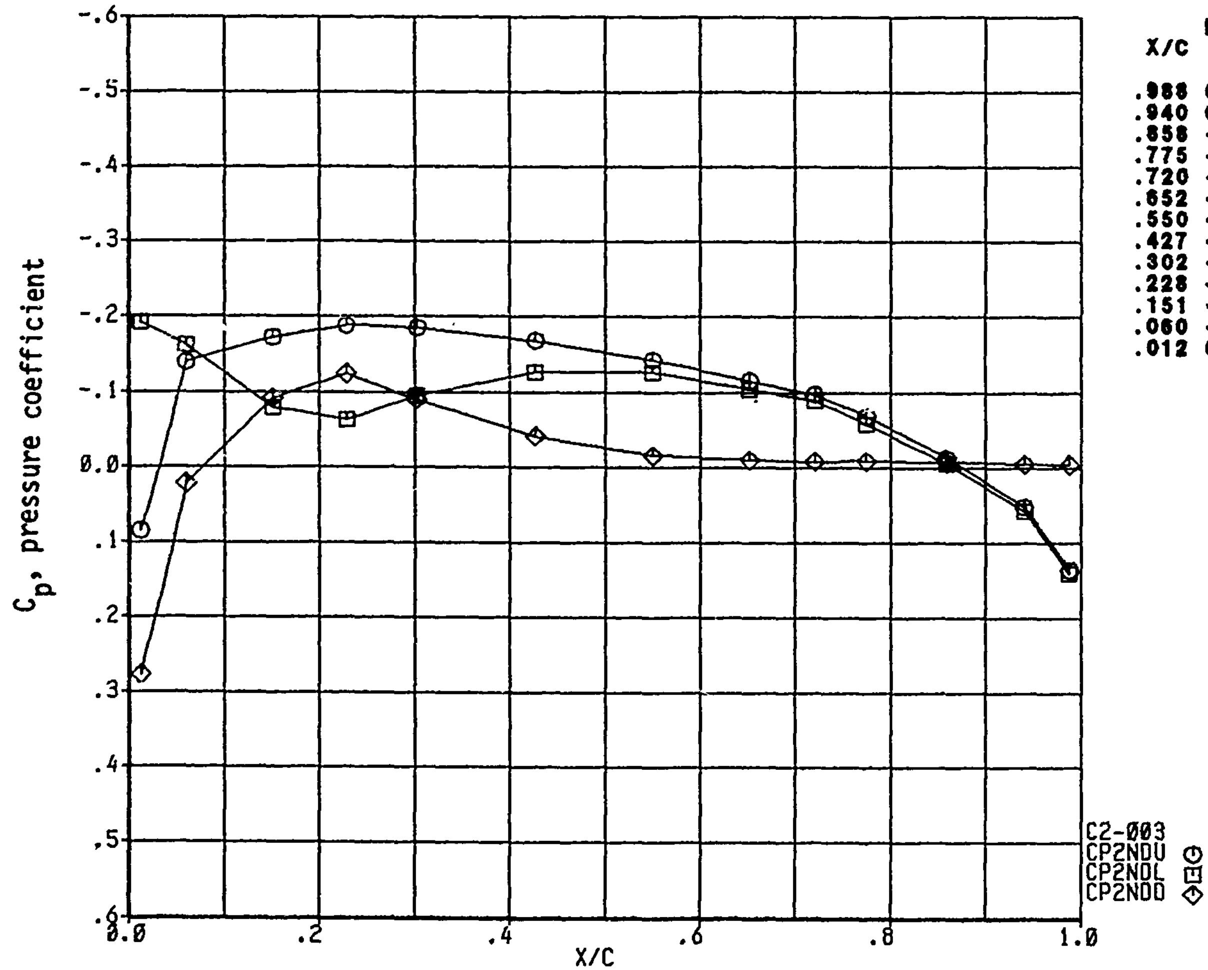
Figure 526, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1376 | 0.1374 | 0.0002 |
| .940 | 0.0549 | 0.0535 | 0.0015 |
| .858 | -.0087 | -.0111 | 0.0024 |
| .775 | -.0624 | -.0665 | 0.0042 |
| .720 | -.0909 | -.0975 | 0.0067 |
| .652 | -.1072 | -.1149 | 0.0078 |
| .550 | -.1320 | -.1386 | 0.0066 |
| .427 | -.1547 | -.1418 | -.0129 |
| .302 | -.1670 | -.1136 | -.0534 |
| .228 | -.1670 | -.0854 | -.0815 |
| .151 | -.1421 | -.1108 | -.0313 |
| .060 | -.0882 | -.2186 | 0.1305 |
| .012 | 0.1798 | -.3219 | 0.5017 |

Figure 527, Chordwise Pressure Distribution, Steady, Configuration 7

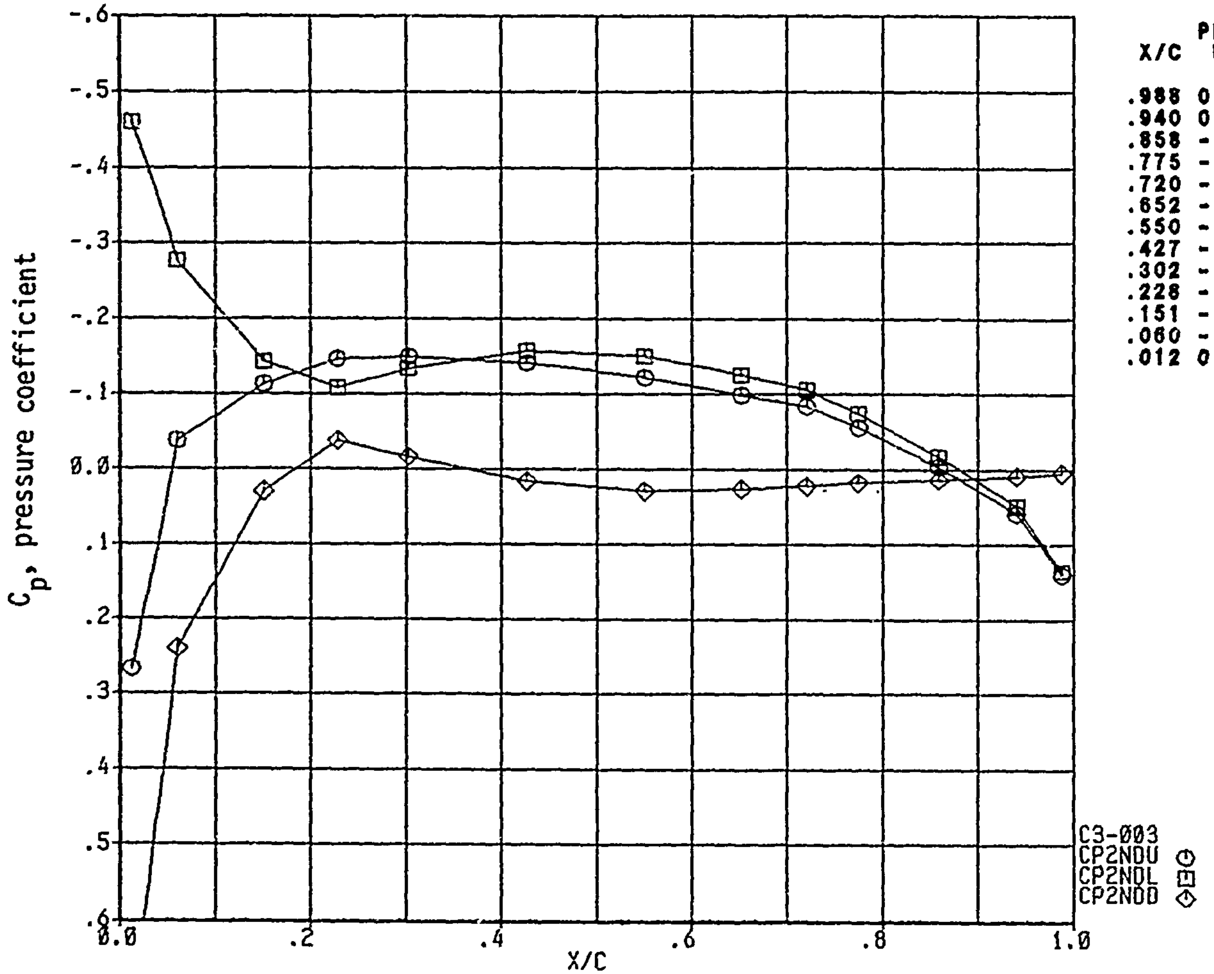
MACH NO. = 0.600 ANGLE OF ATTACK = 0.500
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1356 | 0.1399 | -.0043 |
| .940 | 0.0517 | 0.0573 | -.0056 |
| .858 | -.0134 | -.0055 | -.0079 |
| .775 | -.0685 | -.0592 | -.0093 |
| .720 | -.0979 | -.0892 | -.0087 |
| .652 | -.1153 | -.1053 | -.0101 |
| .550 | -.1423 | -.1265 | -.0157 |
| .427 | -.1683 | -.1264 | -.0419 |
| .302 | -.1846 | -.0947 | -.0899 |
| .228 | -.1879 | -.0635 | -.1244 |
| .151 | -.1721 | -.0794 | -.0926 |
| .060 | -.1399 | -.1615 | 0.0217 |
| .012 | 0.0846 | -.1921 | 0.2766 |

Figure 528, Chordwise Pressure Distribution, Steady, Configuration 7

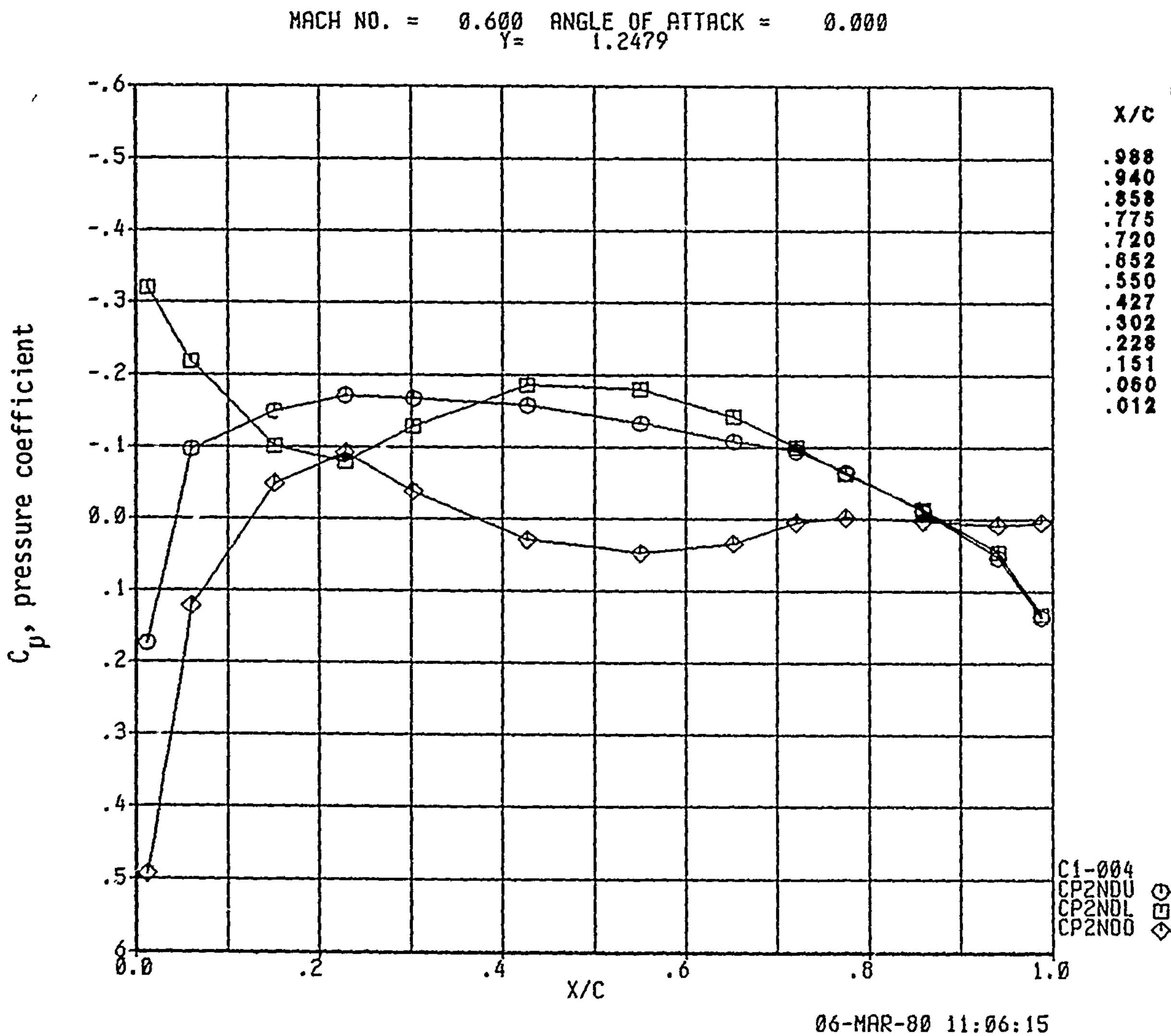
MACH NO. = 0.600 ANGLE OF ATTACK = -0.500
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1394 | 0.1347 | 0.0047 |
| .940 | 0.0579 | 0.0495 | 0.0084 |
| .858 | -.0041 | -.0170 | 0.0129 |
| .775 | -.0563 | -.0740 | 0.0177 |
| .720 | -.0841 | -.1060 | 0.0220 |
| .652 | -.0992 | -.1248 | 0.0256 |
| .550 | -.1219 | -.1509 | 0.0290 |
| .427 | -.1414 | -.1574 | 0.0160 |
| .302 | -.1497 | -.1328 | -.0168 |
| .228 | -.1464 | -.1079 | -.0385 |
| .151 | -.1128 | -.1428 | 0.0300 |
| .060 | -.0379 | -.2773 | 0.2394 |
| .012 | 0.2672 | -.4598 | 0.7269 |

06-MAR-80 11:05:13

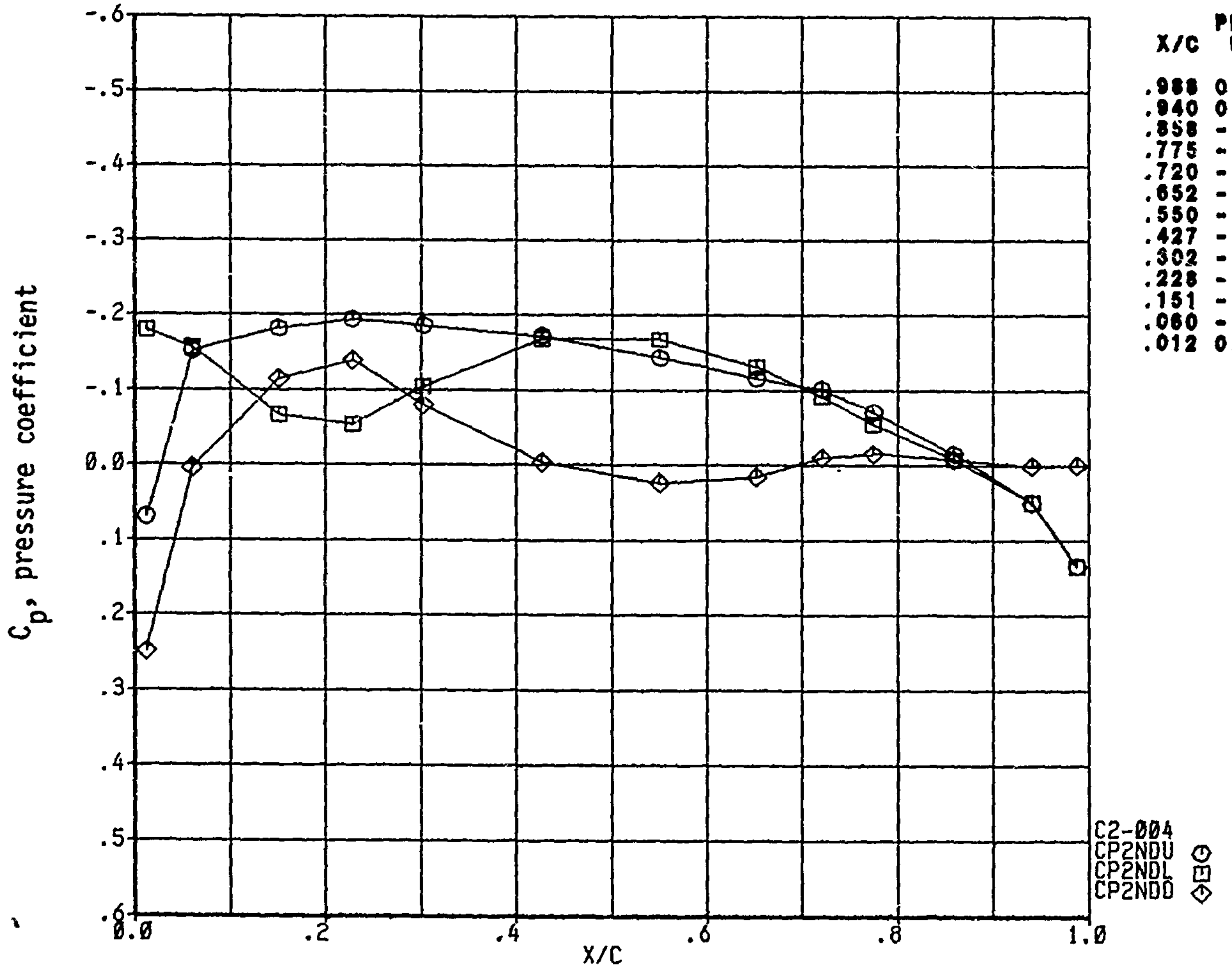
Figure 529, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1359 | 0.1317 | 0.0042 |
| .940 | 0.0532 | 0.0458 | 0.0075 |
| .858 | -.0113 | -.0137 | 0.0024 |
| .775 | -.0653 | -.0630 | -.0023 |
| .720 | -.0948 | -.1001 | 0.0053 |
| .652 | -.1079 | -.1418 | 0.0340 |
| .550 | -.1333 | -.1806 | 0.0474 |
| .427 | -.1580 | -.1866 | 0.0287 |
| .302 | -.1670 | -.1284 | -.0386 |
| .228 | -.1717 | -.0793 | -.0924 |
| .151 | -.1496 | -.1009 | -.0487 |
| .060 | -.0966 | -.2180 | 0.1214 |
| .012 | 0.1730 | -.3194 | 0.4924 |

Figure 530, Chordwise Pressure Distribution, Steady, Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.500
Y= 1.2479

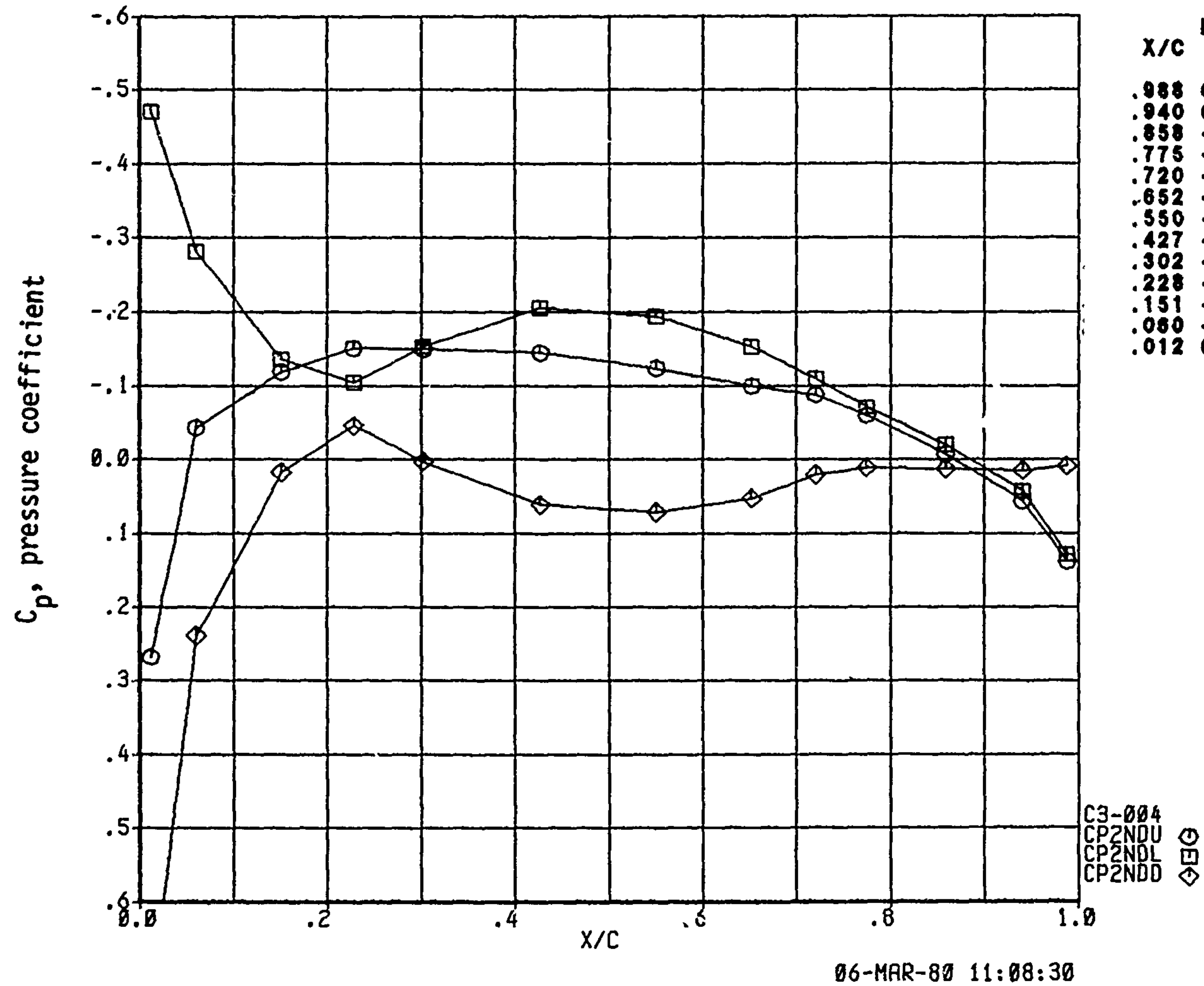



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1339 | 0.1342 | -.0003 |
| .940 | 0.0501 | 0.0497 | 0.0004 |
| .858 | -.0159 | -.0078 | -.0080 |
| .775 | -.0714 | -.0555 | -.0159 |
| .720 | -.1017 | -.0914 | -.0103 |
| .652 | -.1160 | -.1315 | 0.0156 |
| .550 | -.1435 | -.1673 | 0.0238 |
| .427 | -.1717 | -.1681 | -.0035 |
| .302 | -.1852 | -.1051 | -.0802 |
| .228 | -.1935 | -.0540 | -.1394 |
| .151 | -.1813 | -.0666 | -.1147 |
| .060 | -.1522 | -.1563 | 0.0040 |
| .012 | 0.0691 | -.1792 | 0.2484 |

06-MAR-80 11:07:05

Figure 531, Chordwise Pressure Distribution, Steady, Configuration 7

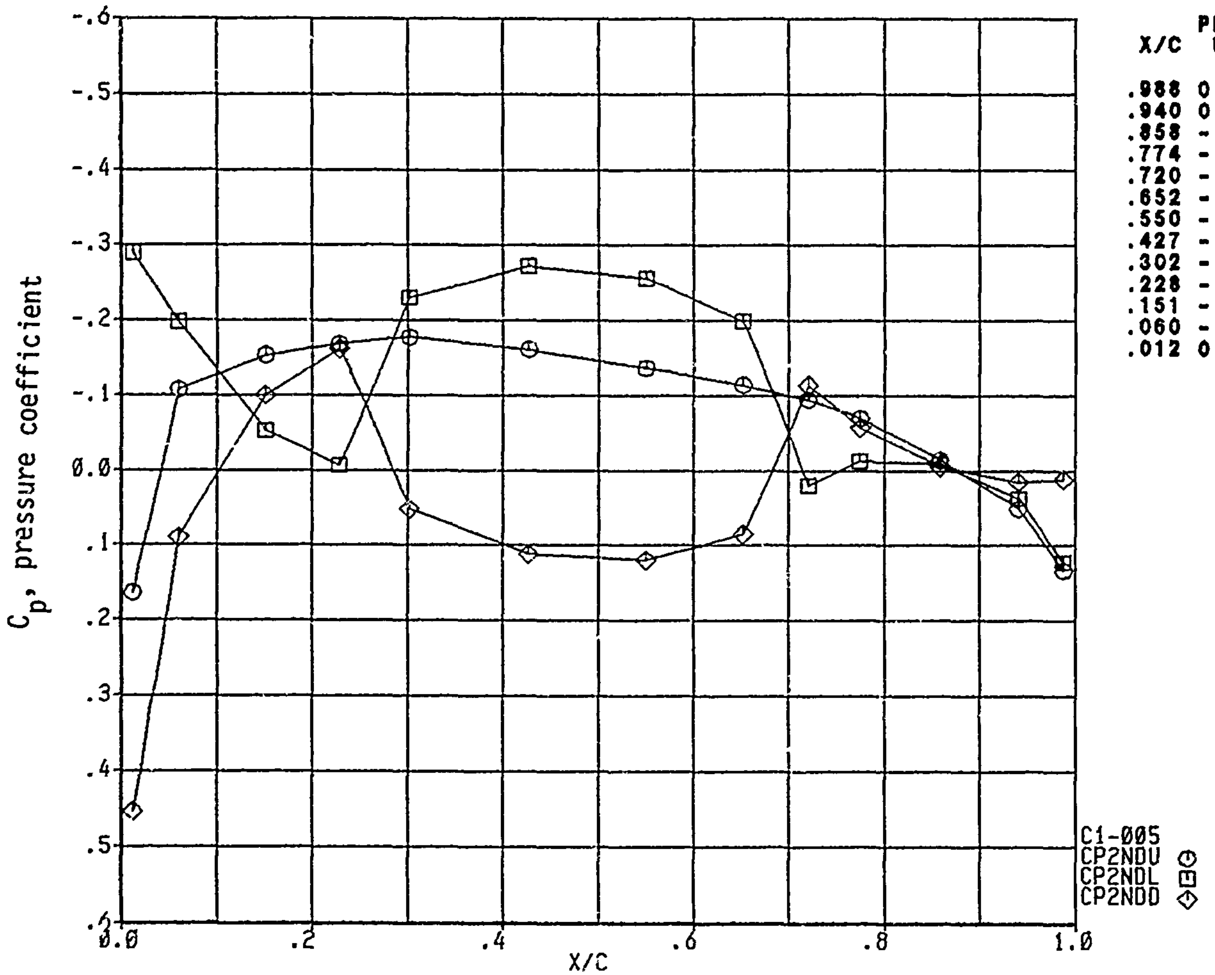
MACH NO. = 0.600 ANGLE OF ATTACK = -0.500
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1377 | 0.1290 | 0.0086 |
| .940 | 0.0562 | 0.0417 | 0.0145 |
| .858 | -.0069 | -.0196 | 0.0128 |
| .775 | -.0595 | -.0708 | 0.0113 |
| .720 | -.0881 | -.1089 | 0.0208 |
| .652 | -.1000 | -.1523 | 0.0523 |
| .550 | -.1233 | -.1943 | 0.0710 |
| .427 | -.1445 | -.2054 | 0.0609 |
| .302 | -.1491 | -.1523 | 0.0031 |
| .228 | -.1503 | -.1051 | -.0453 |
| .151 | -.1186 | -.1359 | 0.0173 |
| .080 | -.0427 | -.2816 | 0.2389 |
| .012 | 0.2678 | -.4690 | 0.7368 |

Figure 532, Chordwise Pressure Distribution, Steady, Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
Y= 1.4037

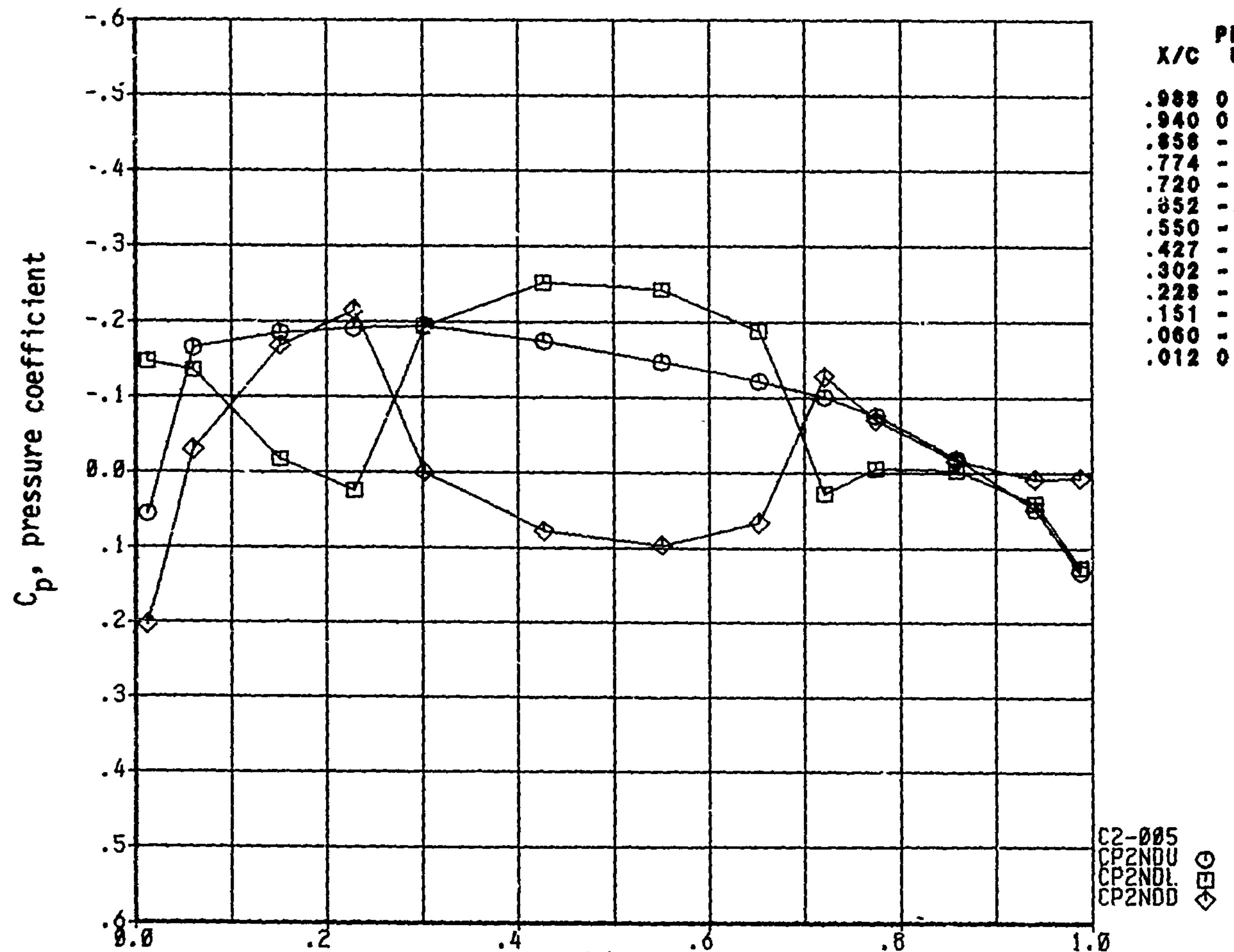



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1334 | 0.1223 | 0.0110 |
| .940 | 0.0509 | 0.0363 | 0.0146 |
| .858 | -.0148 | -.0089 | -.0058 |
| .774 | -.0698 | -.0129 | -.0569 |
| .720 | -.0946 | 0.0192 | -.1138 |
| .652 | -.1140 | -.1986 | 0.0847 |
| .550 | -.1371 | -.2566 | 0.1195 |
| .427 | -.1612 | -.2729 | 0.1117 |
| .302 | -.1777 | -.2298 | 0.0522 |
| .228 | -.1689 | -.0070 | -.1619 |
| .151 | -.1530 | -.0524 | -.1005 |
| .060 | -.1076 | -.1977 | 0.0901 |
| .012 | 0.1634 | -.2898 | 0.4531 |

06-MAR-80 11:09:14

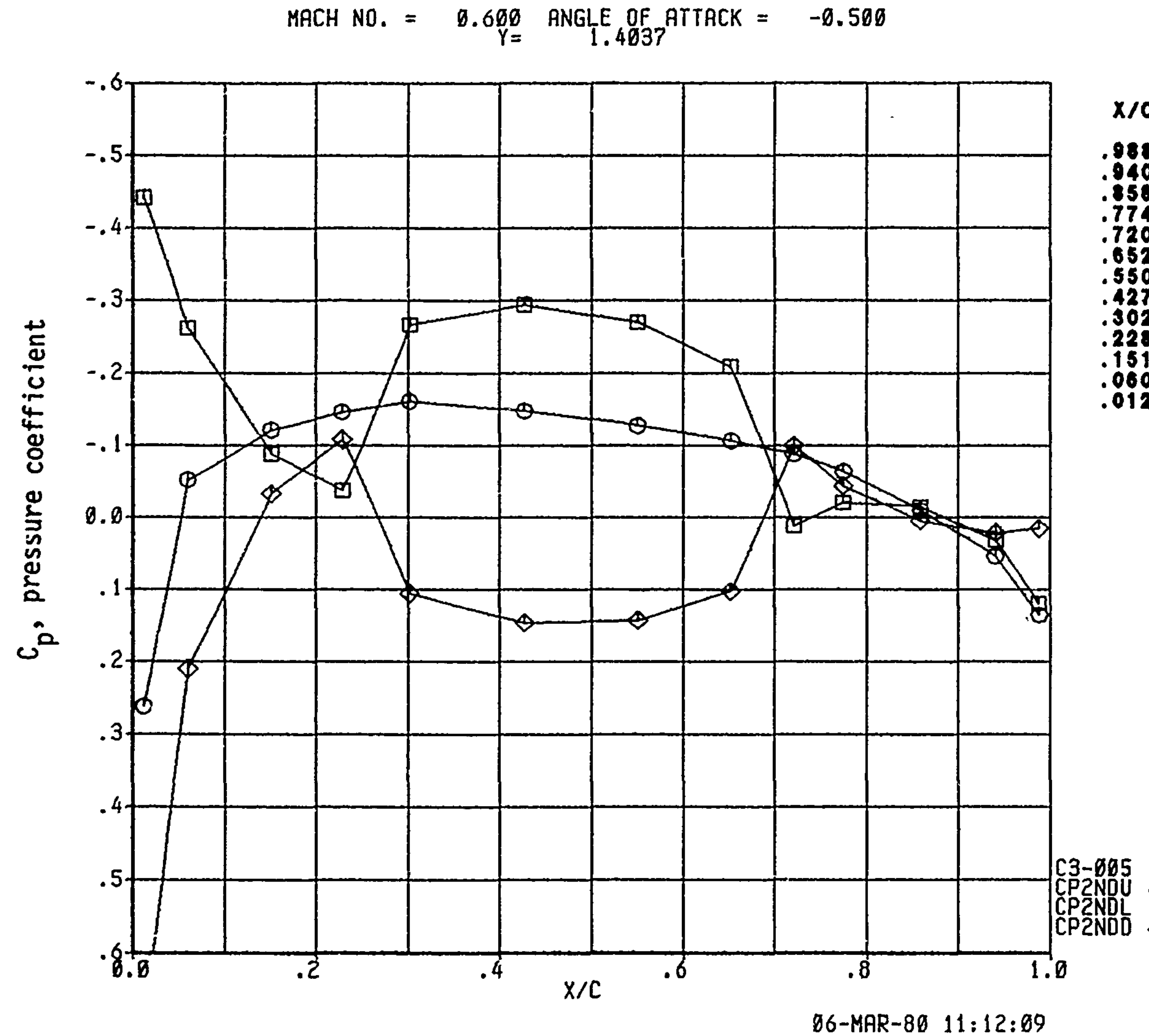
Figure 533, Chordwise Pressure Distribution, Steady, Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.500
Y= 1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1314 | 0.1248 | 0.0066 |
| .940 | 0.0478 | 0.0400 | 0.0077 |
| .858 | -.0193 | -.0035 | -.0158 |
| .774 | -.0758 | -.0059 | -.0699 |
| .720 | -.1012 | 0.0271 | -.1282 |
| .652 | -.1217 | -.1885 | 0.0669 |
| .550 | -.1471 | -.2430 | 0.0959 |
| .427 | -.1749 | -.2520 | 0.0771 |
| .302 | -.1946 | -.1938 | -.0007 |
| .228 | -.1916 | 0.0237 | -.2152 |
| .151 | -.1856 | -.0176 | -.1680 |
| .060 | -.1649 | -.1352 | -.0299 |
| .012 | 0.0552 | -.1476 | 0.2028 |

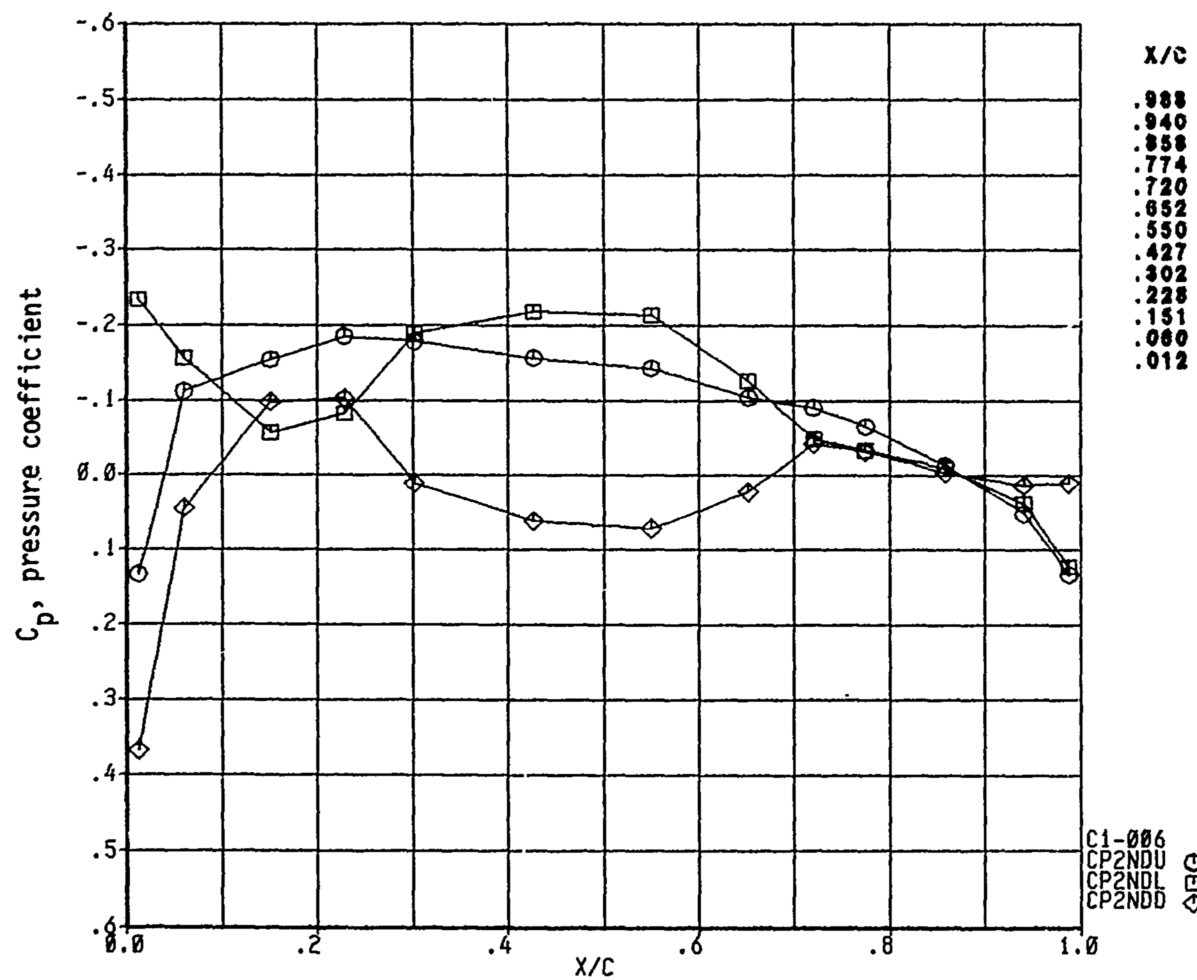
Figure 534, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1352 | 0.1198 | 0.0154 |
| .940 | 0.0538 | 0.0324 | 0.0214 |
| .858 | -.0104 | -.0145 | 0.0042 |
| .774 | -.0642 | -.0200 | -.0441 |
| .720 | -.0882 | 0.0112 | -.0994 |
| .652 | -.1064 | -.2089 | 0.1025 |
| .550 | -.1274 | -.2704 | 0.1431 |
| .427 | -.1478 | -.2941 | 0.1463 |
| .302 | -.1610 | -.2664 | 0.1054 |
| .228 | -.1466 | -.0385 | -.1080 |
| .151 | -.1211 | -.0882 | -.0329 |
| .060 | -.0520 | -.2623 | 0.2102 |
| .012 | 0.2619 | -.4419 | 0.7039 |

Figure 535, Chordwise Pressure Distribution, Steady, Configuration 7

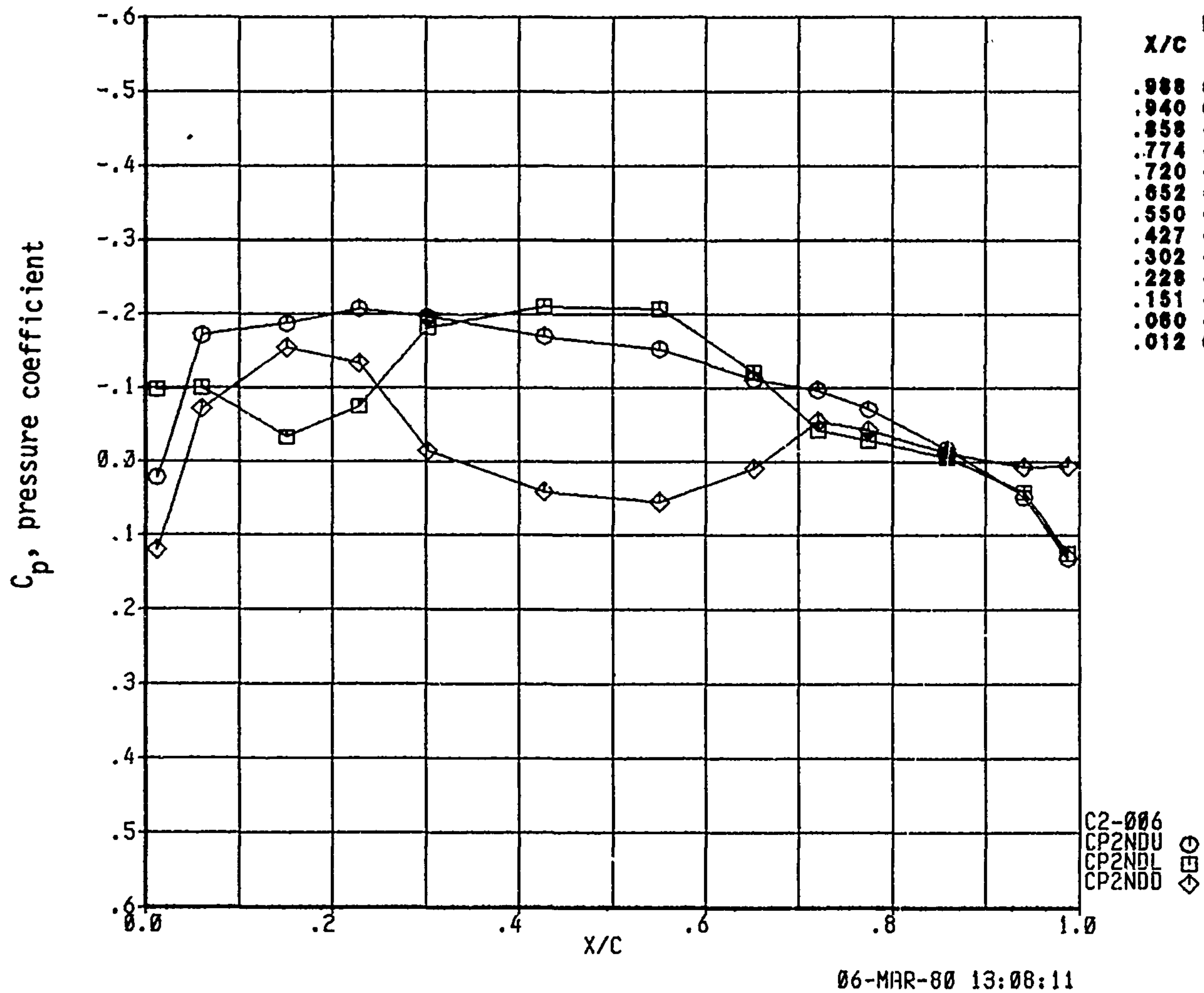
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
Y= 1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1327 | 0.1221 | 0.0106 |
| .940 | 0.0511 | 0.0379 | 0.0131 |
| .858 | -.0130 | -.0096 | -.0034 |
| .774 | -.0651 | -.0332 | -.0319 |
| .720 | -.0907 | -.0483 | -.0424 |
| .652 | -.1045 | -.1267 | 0.0223 |
| .550 | -.1429 | -.2140 | 0.0711 |
| .427 | -.1568 | -.2181 | 0.0613 |
| .302 | -.1787 | -.1898 | 0.0111 |
| .228 | -.1856 | -.0825 | -.1031 |
| .151 | -.1540 | -.0561 | -.0979 |
| .060 | -.1122 | -.1568 | 0.0446 |
| .012 | 0.1327 | -.2338 | 0.3665 |

Figure 536, Chordwise Pressure Distribution, Steady, Configuration 7

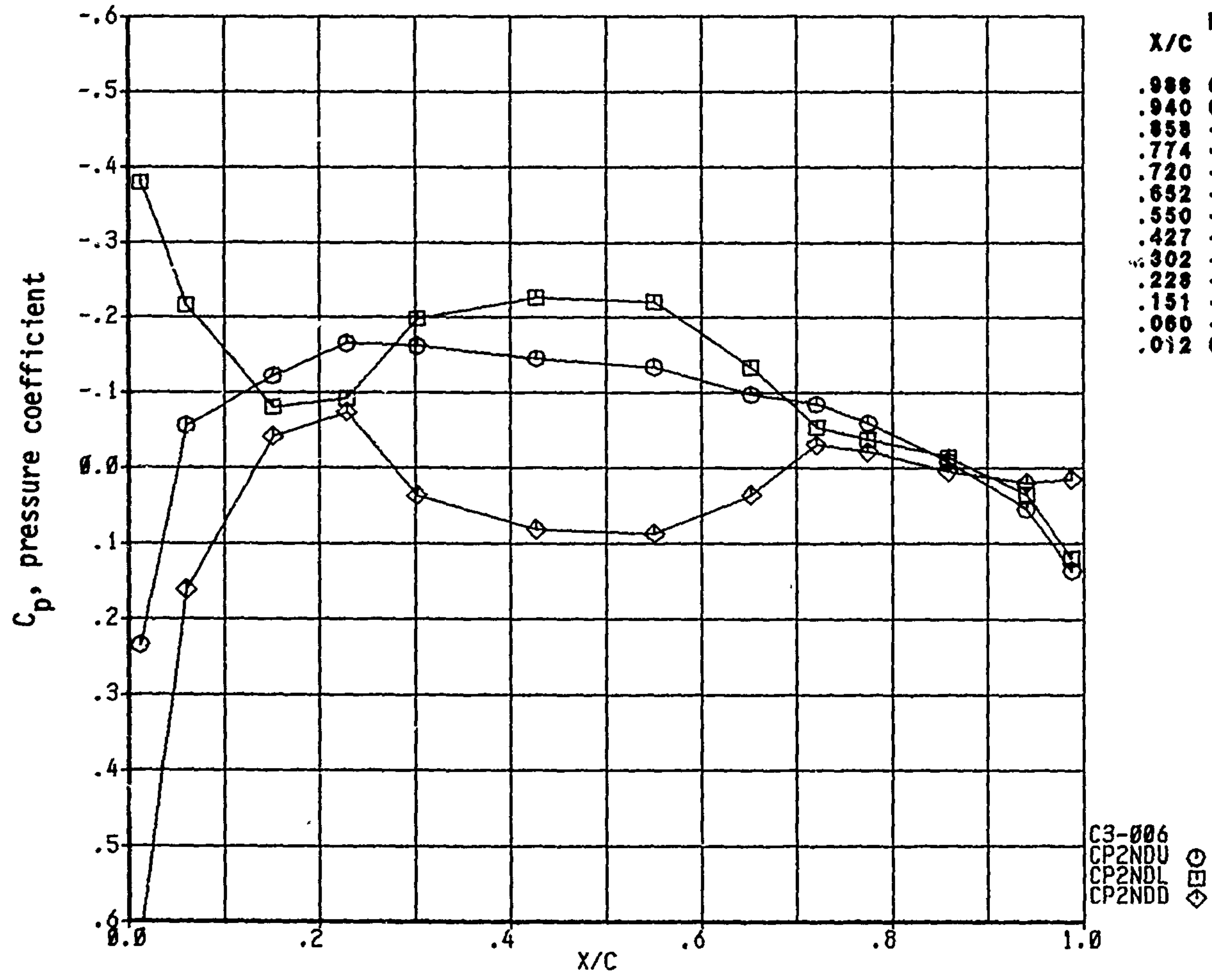
MACH NO. = 0.600 ANGLE OF ATTACK = 0.500
Y= 1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1305 | 0.1241 | 0.0063 |
| .940 | 0.0479 | 0.0409 | 0.00[illegible] |
| .858 | -.0173 | -.0055 | -.011[illegible] |
| .774 | -.0706 | -.0282 | -.0425 |
| .720 | -.0969 | -.0430 | -.0540 |
| .652 | -.1117 | -.1209 | 0.0092 |
| .550 | -.1521 | -.2073 | 0.0551 |
| .427 | -.1692 | -.2103 | 0.0411 |
| .302 | -.1962 | -.1818 | -.0144 |
| .228 | -.2069 | -.0743 | -.1326 |
| .151 | -.1867 | -.0327 | -.1541 |
| .060 | -.1709 | -.0995 | -.0714 |
| .012 | 0.0216 | -.0979 | 0.1195 |

Figure 537, Chordwise Pressure Distribution, Steady, Configuration 7

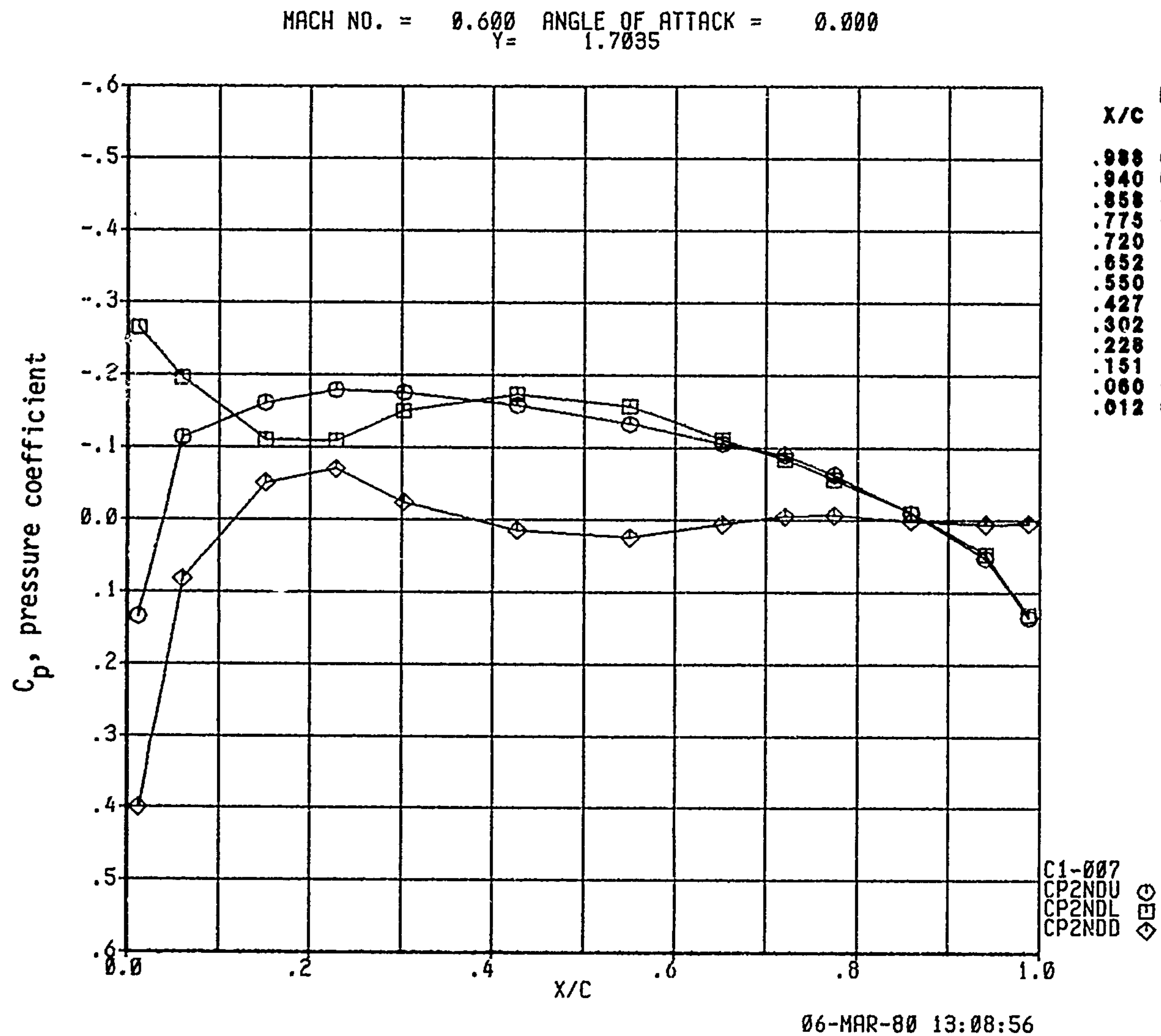
MACH NO. = Ø.6ØØ ANGLE OF ATTACK = -Ø.5ØØ
Y= 1.59Ø6




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .986 | 0.1346 | 0.1199 | 0.0148 |
| .940 | 0.0540 | 0.0349 | 0.0190 |
| .858 | -.0088 | -.0138 | 0.0049 |
| .774 | -.0598 | -.0383 | -.0215 |
| .720 | -.0848 | -.0539 | -.0309 |
| .652 | -.0976 | -.1328 | 0.0352 |
| .550 | -.1340 | -.2209 | 0.0869 |
| .427 | -.1448 | -.2261 | 0.0813 |
| .302 | -.1617 | -.1981 | 0.0364 |
| .228 | -.1649 | -.0912 | -.0738 |
| .151 | -.1219 | -.0801 | -.0418 |
| .060 | -.0555 | -.2160 | 0.1605 |
| .012 | 0.2340 | -.3793 | 0.6133 |

Ø6-MAR-8Ø 13:Ø8:3Ø

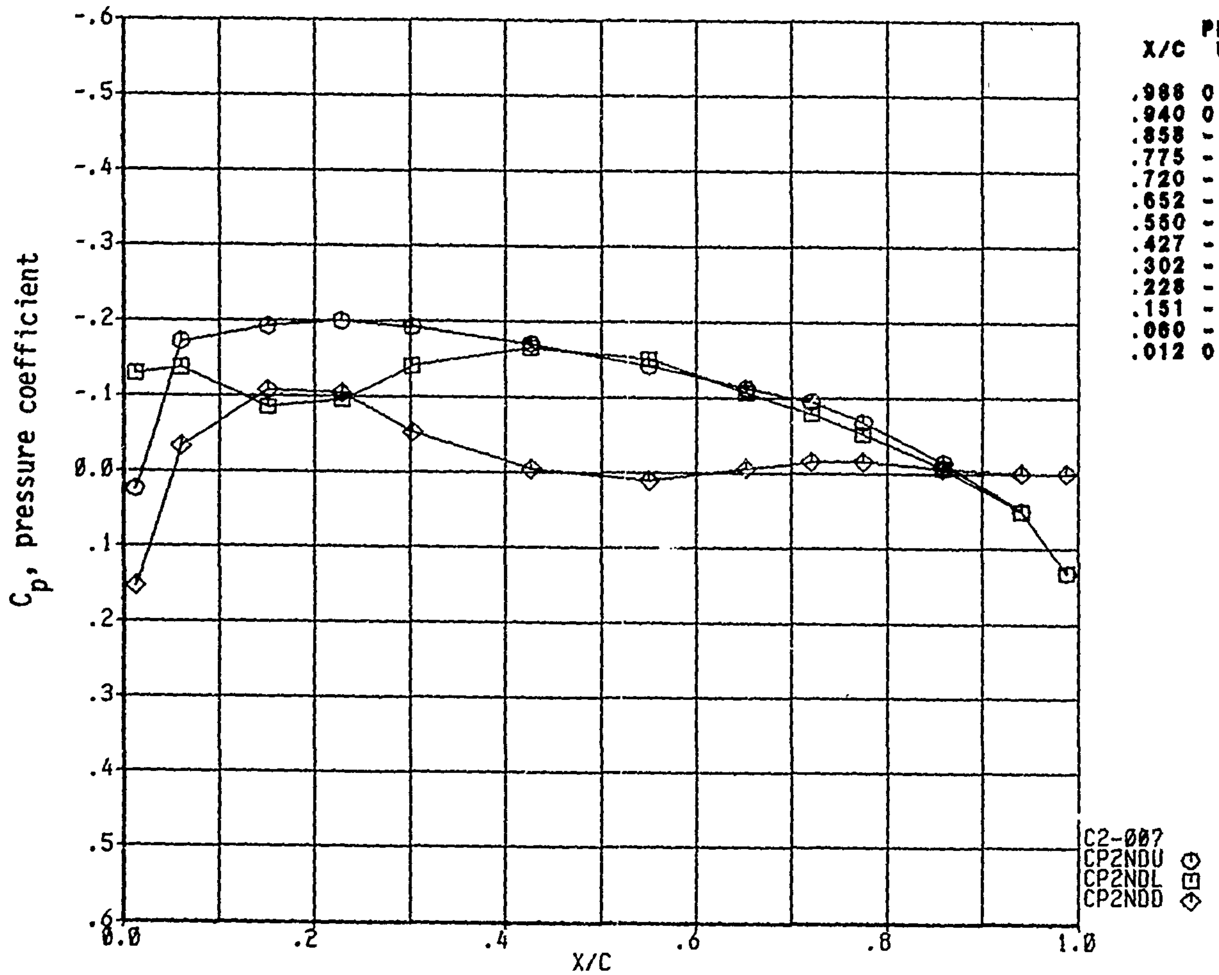
Figure 538, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1343 | 0.1304 | 0.0040 |
| .940 | 0.0526 | 0.0472 | 0.0054 |
| .858 | -.0100 | -.0103 | 0.0004 |
| .775 | -.0625 | -.0559 | -.0066 |
| .720 | -.0897 | -.0841 | -.0055 |
| .652 | -.1057 | -.1114 | 0.0057 |
| .550 | -.1330 | -.1573 | 0.0243 |
| .427 | -.1588 | -.1735 | 0.0147 |
| .302 | -.1758 | -.1508 | -.0250 |
| .228 | -.1793 | -.1094 | -.0699 |
| .151 | -.1612 | -.1102 | -.0510 |
| .060 | -.1137 | -.1953 | 0.0816 |
| .012 | 0.1340 | -.2657 | 0.3996 |

Figure 539, Chordwise Pressure Distribution, Steady, Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.500
Y= 1.7035

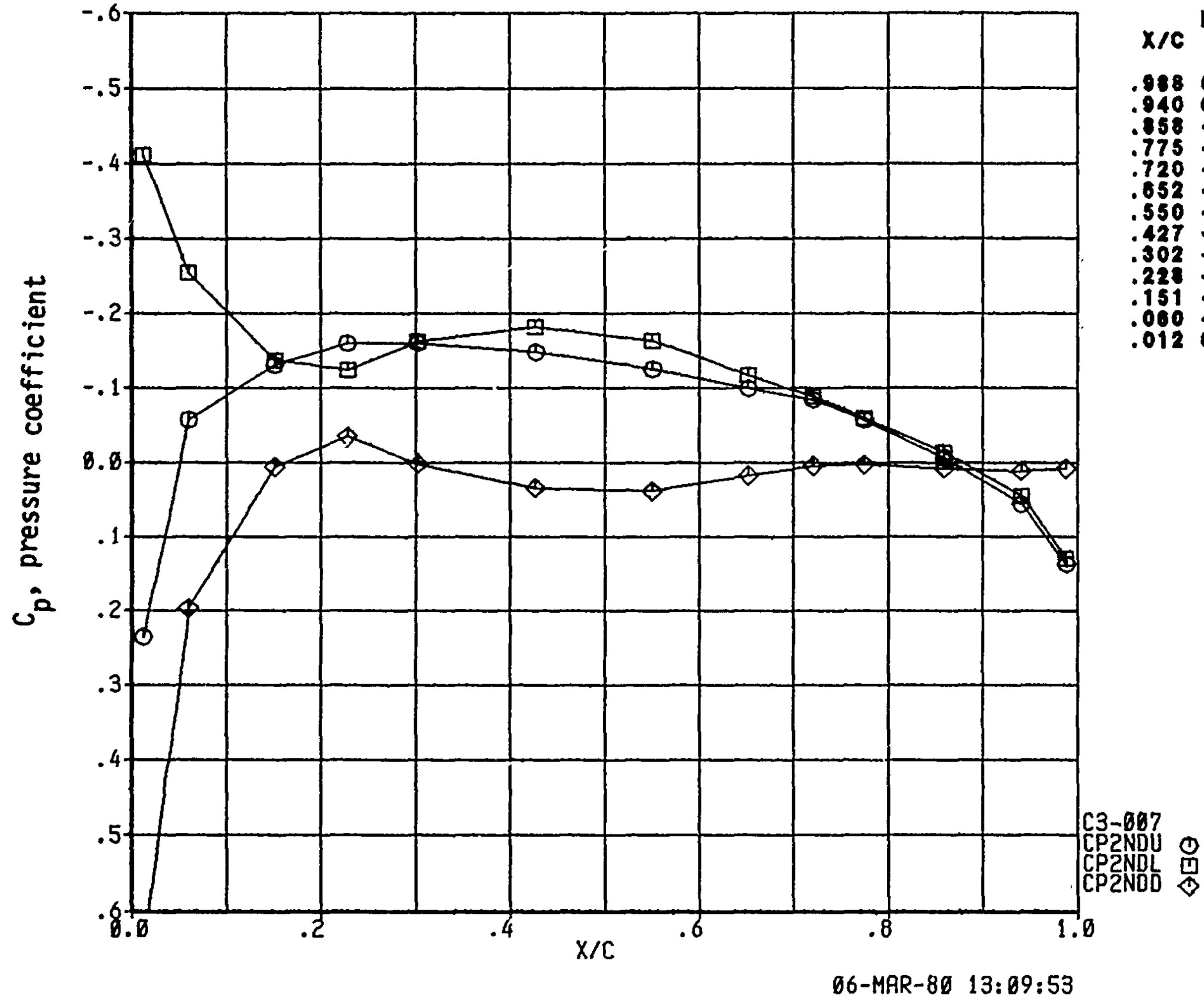



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1319 | 0.1322 | -.0003 |
| .940 | 0.0494 | 0.0498 | -.0003 |
| .858 | -.0142 | -.0069 | -.0073 |
| .775 | -.0676 | -.0517 | -.0159 |
| .720 | -.0953 | -.0797 | -.0157 |
| .652 | -.1123 | -.1064 | -.0059 |
| .560 | -.1412 | -.1512 | 0.0100 |
| .427 | -.1701 | -.1656 | -.0045 |
| .302 | -.1921 | -.1397 | -.0524 |
| .228 | -.1996 | -.0951 | -.1045 |
| .151 | -.1926 | -.0846 | -.1080 |
| .060 | -.1718 | -.1384 | -.0335 |
| .012 | 0.0235 | -.1292 | 0.1527 |

06-MAR-80 13:09:18

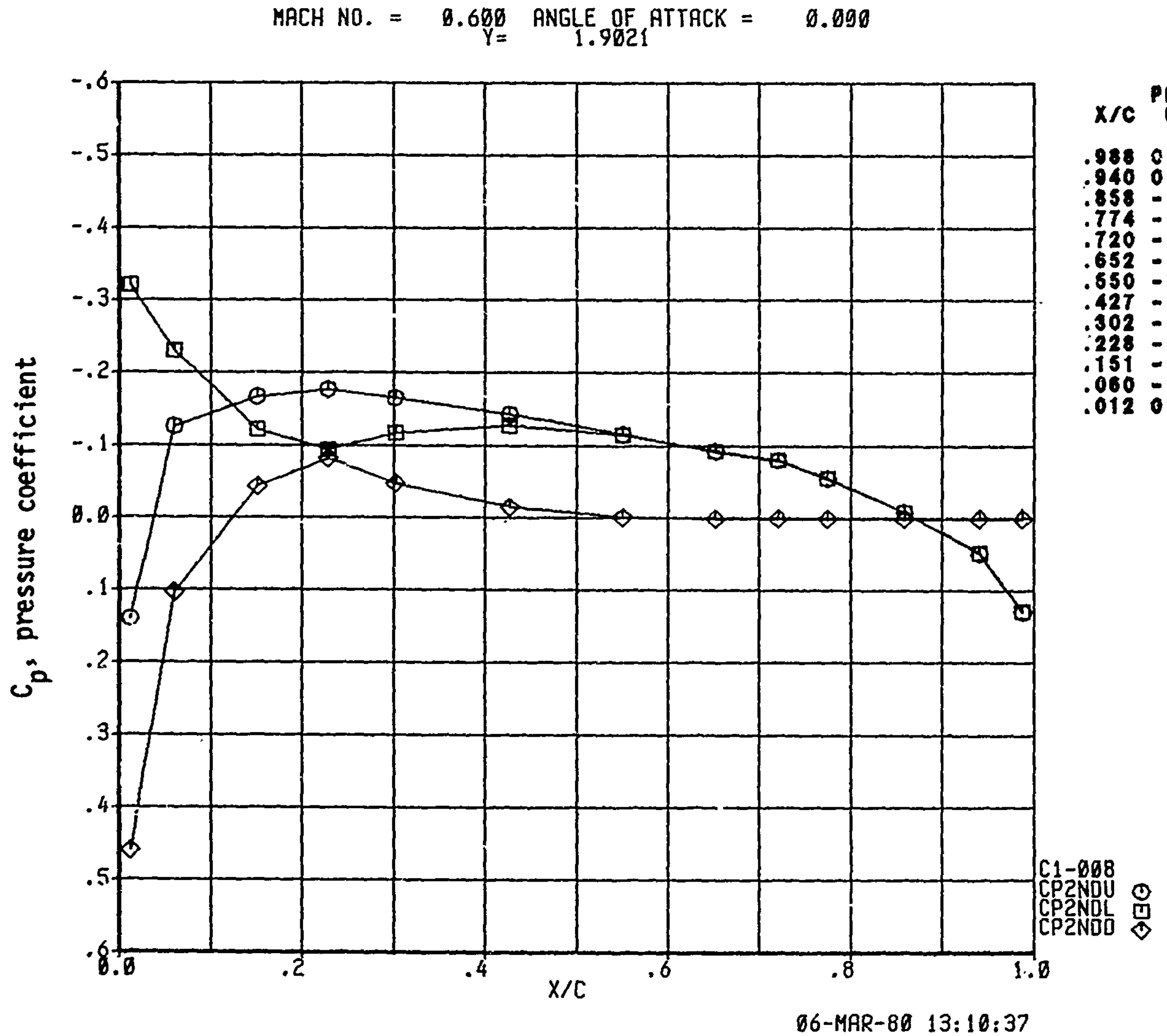
Figure 540, Chordwise Pressure Distribution, Steady, Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = -0.500
Y= 1.7035



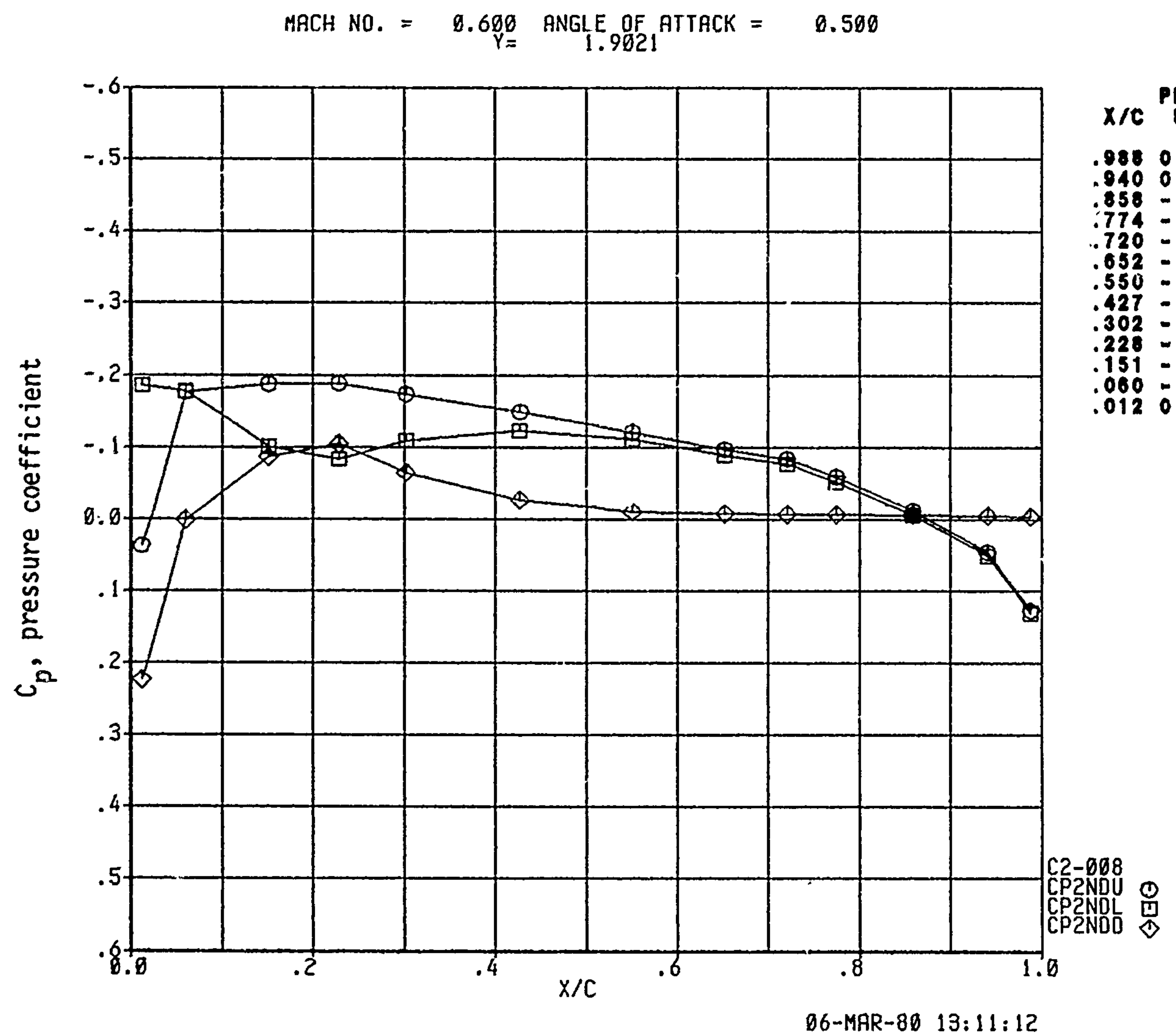

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1364 | 0.1284 | 0.0081 |
| .940 | 0.0555 | 0.0445 | 0.0110 |
| .858 | -.0061 | -.0139 | 0.0078 |
| .775 | -.0576 | -.0602 | 0.0026 |
| .720 | -.0843 | -.0889 | 0.0046 |
| .652 | -.0996 | -.1166 | 0.0171 |
| .550 | -.1251 | -.1637 | 0.0386 |
| .427 | -.1478 | -.1818 | 0.0340 |
| .302 | -.1600 | -.1622 | 0.0022 |
| .228 | -.1594 | -.1239 | -.0356 |
| .151 | -.1307 | -.1364 | 0.0057 |
| .060 | -.0575 | -.2539 | 0.1965 |
| .012 | 0.2347 | -.4115 | 0.6461 |

Figure 541, Chordwise Pressure Distribution, Steady, Configuration 7



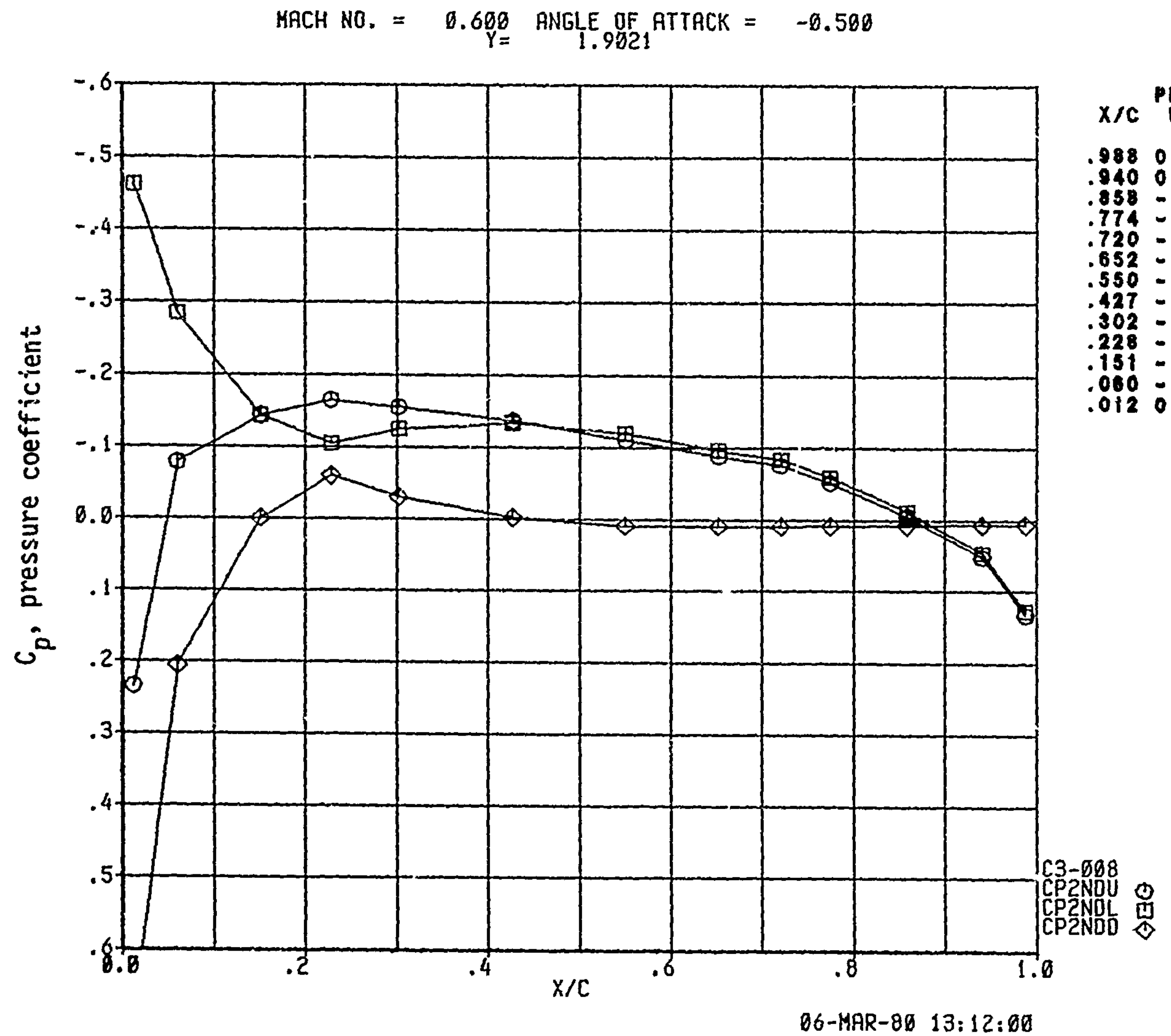

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1297 | 0.1290 | 0.0007 |
| .940 | 0.0489 | 0.0483 | 0.0007 |
| .858 | -.0082 | -.0088 | 0.0007 |
| .774 | -.0547 | -.0552 | 0.0006 |
| .720 | -.0797 | -.0804 | 0.0006 |
| .652 | -.0924 | -.0927 | 0.0003 |
| .550 | -.1157 | -.1148 | -.0009 |
| .427 | -.1425 | -.1278 | -.0147 |
| .302 | -.1642 | -.1167 | -.0475 |
| .228 | -.1764 | -.0944 | -.0820 |
| .151 | -.1655 | -.1220 | -.0435 |
| .060 | -.1263 | -.2297 | 0.1034 |
| .012 | 0.1398 | -.3196 | 0.4594 |

Figure 542, Chordwise Pressure Distribution, Steady, Configuration 7



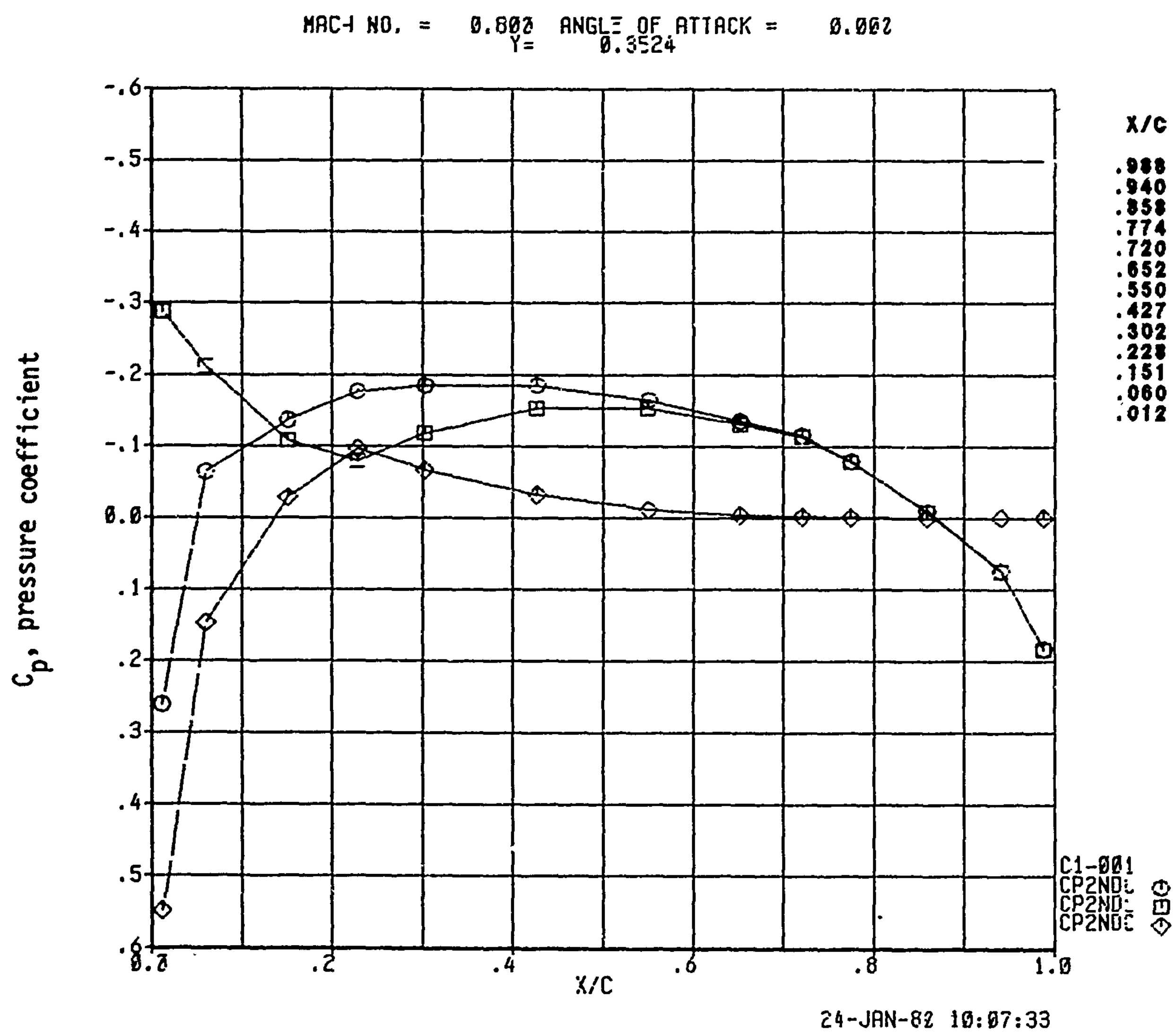

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1268 | 0.1309 | -.0042 |
| .940 | 0.0456 | 0.0506 | -.0050 |
| .858 | -.0121 | -.0060 | -.0060 |
| .774 | -.0591 | -.0521 | -.0070 |
| .720 | -.0843 | -.0771 | -.0073 |
| .652 | -.0973 | -.0892 | -.0081 |
| .550 | -.1212 | -.1109 | -.0104 |
| .427 | -.1496 | -.1227 | -.0269 |
| .302 | -.1739 | -.1094 | -.0645 |
| .228 | -.1888 | -.0842 | -.1046 |
| .151 | -.1881 | -.1013 | -.0868 |
| .060 | -.1766 | -.1778 | 0.0012 |
| .012 | 0.0370 | -.1864 | 0.2234 |

Figure 543, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1318 | 0.1264 | 0.0054 |
| .940 | 0.0515 | 0.0453 | 0.0063 |
| .858 | -.0050 | -.0122 | 0.0073 |
| .774 | -.0510 | -.0590 | 0.0080 |
| .720 | -.0757 | -.0842 | 0.0085 |
| .652 | -.0882 | -.0967 | 0.0084 |
| .550 | -.1108 | -.1193 | 0.0084 |
| .427 | -.1362 | -.1335 | -.0027 |
| .302 | -.1553 | -.1246 | -.0307 |
| .228 | -.1646 | -.1050 | -.0596 |
| .151 | -.1438 | -.1433 | -.0005 |
| .060 | -.0778 | -.2831 | 0.2054 |
| .012 | 0.2336 | -.4614 | 0.6950 |

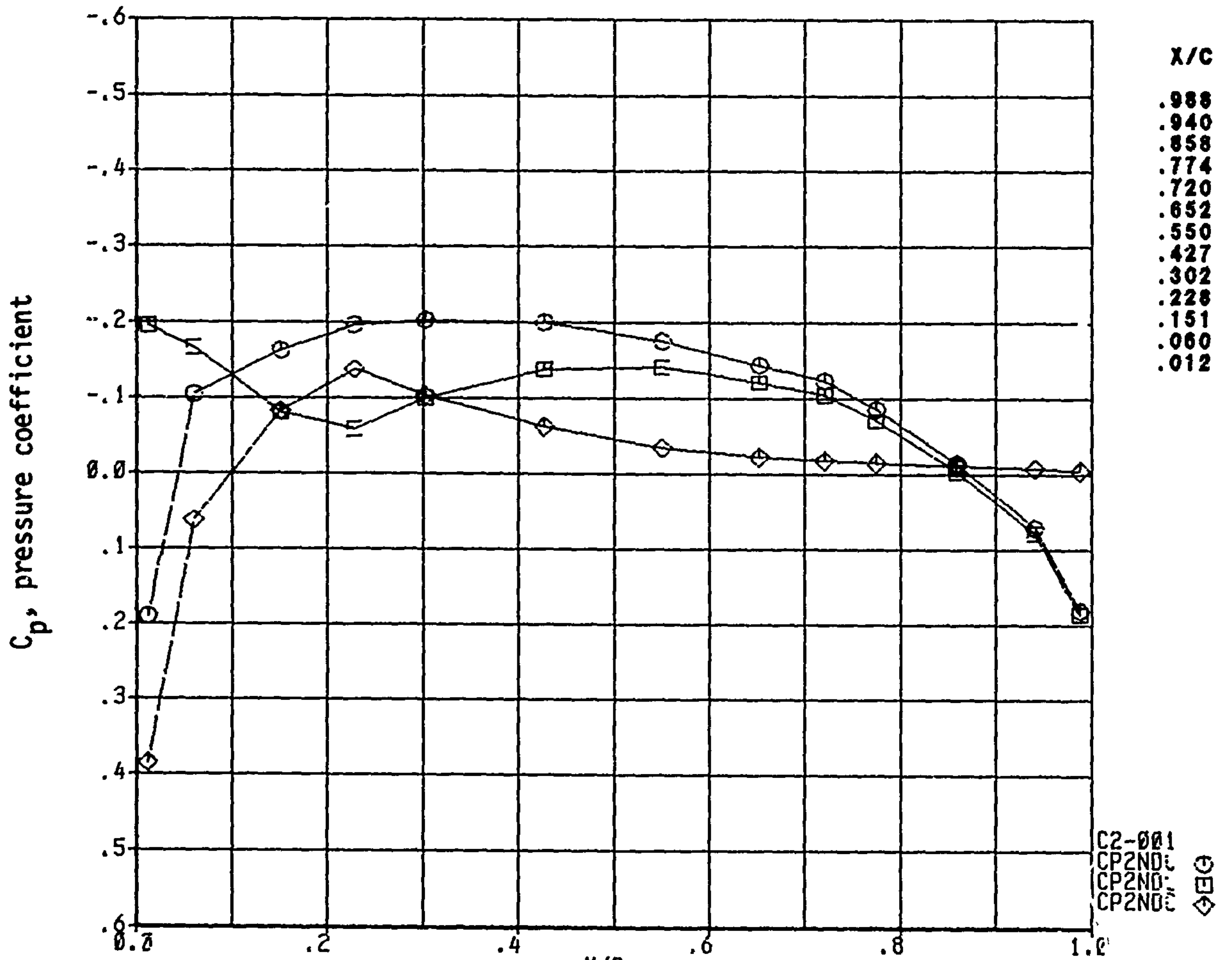
Figure 544, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1831 | 0.1833 | -.0003 |
| .940 | 0.0737 | 0.0740 | -.0004 |
| .858 | -.0092 | -.0087 | -.0005 |
| .774 | -.0790 | -.0779 | -.0011 |
| .720 | -.1156 | -.1137 | -.0020 |
| .652 | -.1349 | -.1311 | -.0038 |
| .550 | -.1640 | -.1530 | -.0111 |
| .427 | -.1855 | -.1532 | -.0323 |
| .302 | -.1847 | -.1181 | -.0667 |
| .228 | -.1761 | -.0797 | -.0965 |
| .151 | -.1362 | -.1080 | -.0282 |
| .060 | -.0641 | -.2109 | 0.1469 |
| .012 | 0.2605 | -.2877 | 0.5483 |

Figure 545, Chordwise Pressure Distribution, Steady, Configuration 7

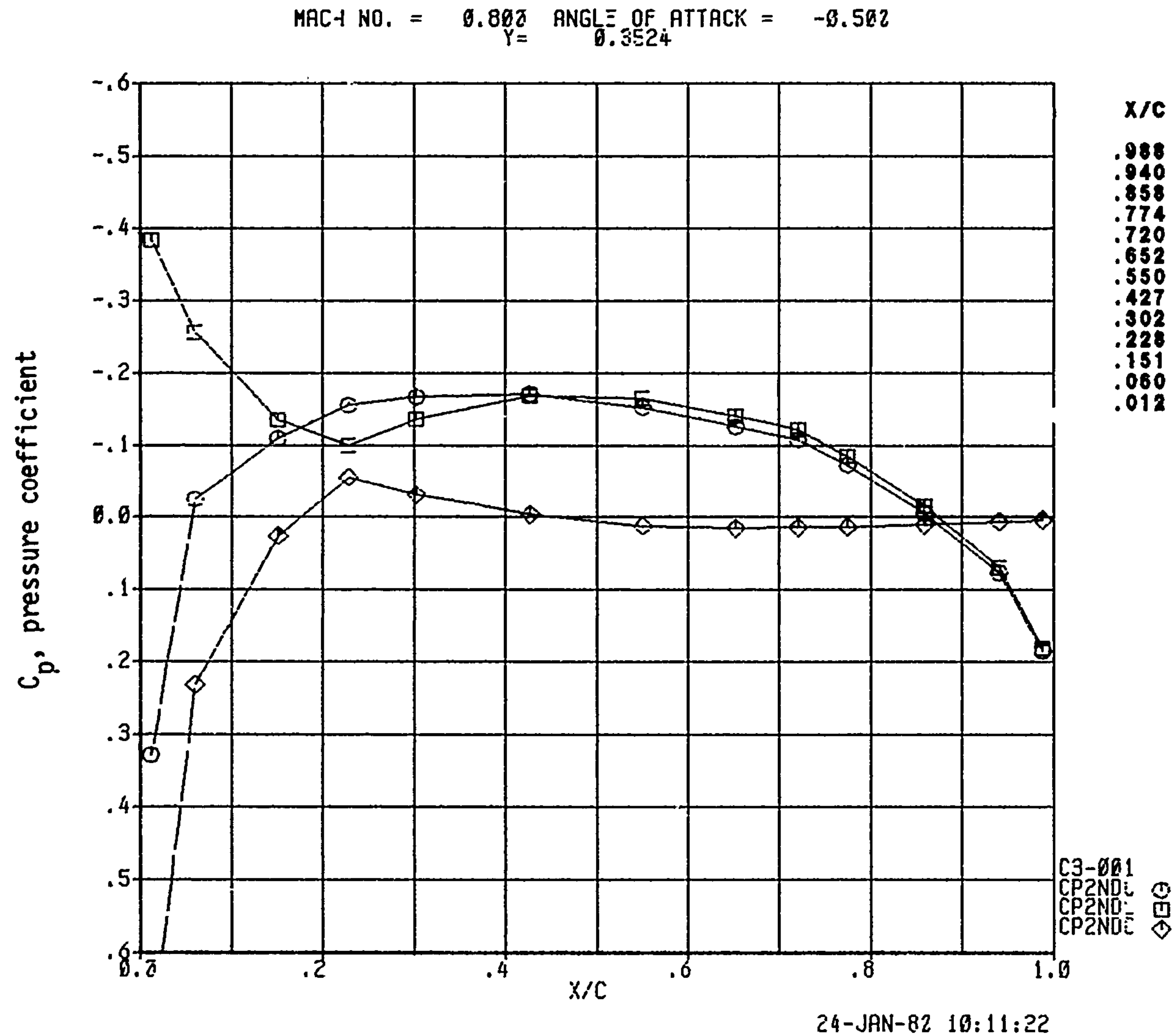
MACH NO. = 0.802 ANGLE OF ATTACK = 0.502
Y= 0.3524




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1810 | 0.1858 | -.0047 |
| .940 | 0.0704 | 0.0779 | -.0075 |
| .858 | -.0143 | -.0030 | -.0112 |
| .774 | -.0857 | -.0705 | -.0152 |
| .720 | -.1233 | -.1053 | -.0180 |
| .652 | -.1438 | -.1212 | -.0225 |
| .550 | -.1753 | -.1408 | -.0344 |
| .427 | -.2000 | -.1382 | -.0618 |
| .302 | -.2027 | -.0998 | -.1028 |
| .228 | -.1964 | -.0588 | -.1376 |
| .151 | -.1626 | -.0805 | -.0821 |
| .060 | -.1045 | -.1866 | 0.0821 |
| .012 | 0.1894 | -.1947 | 0.3841 |

24-JAN-82 10:10:36

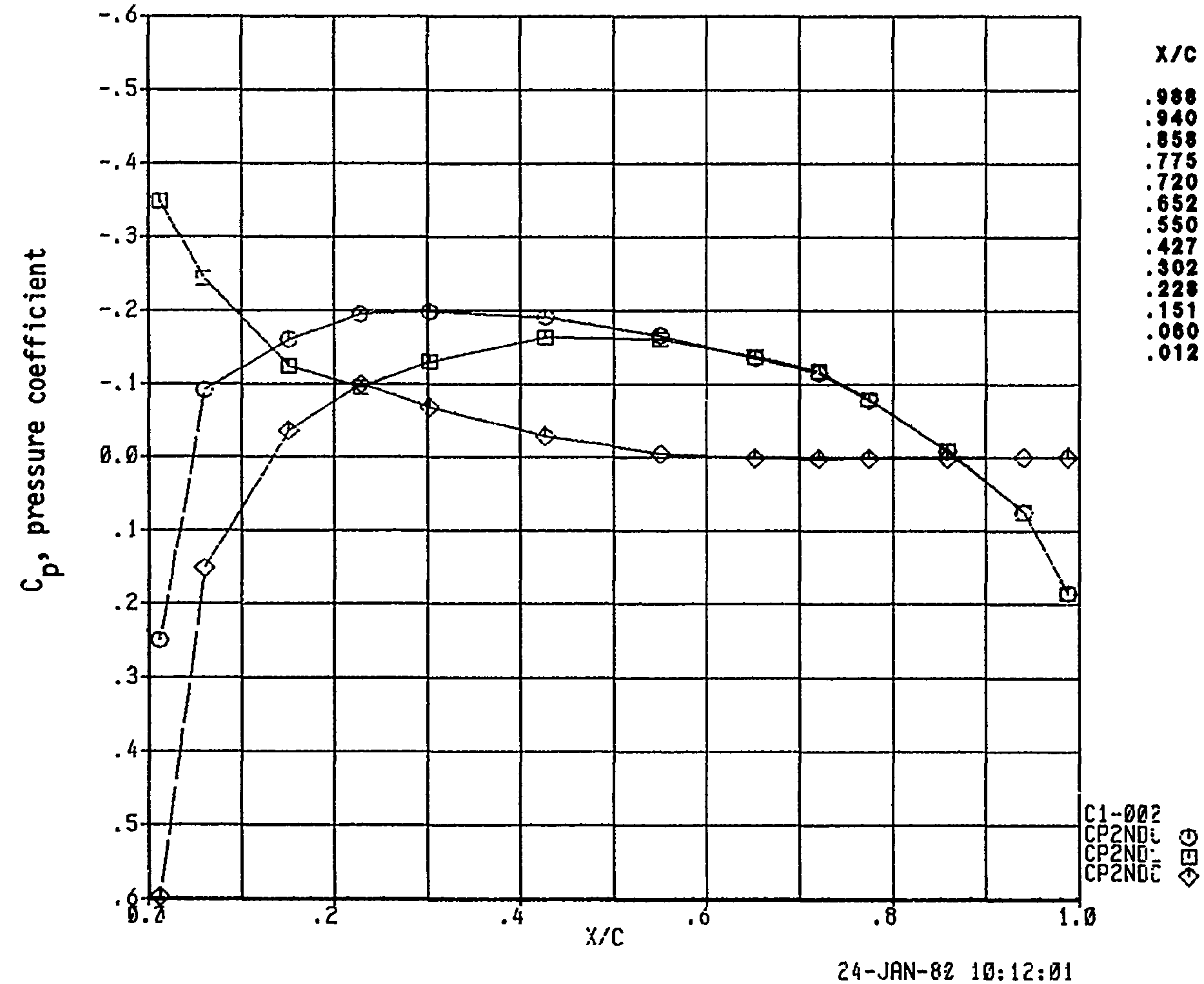
Figure 546, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1849 | 0.1807 | 0.0042 |
| .940 | 0.0768 | 0.0701 | 0.0067 |
| .858 | -.0043 | -.0145 | 0.0103 |
| .774 | -.0725 | -.0855 | 0.0131 |
| .720 | -.1082 | -.1223 | 0.0141 |
| .652 | -.1261 | -.1410 | 0.0149 |
| .550 | -.1530 | -.1652 | 0.0122 |
| .427 | -.1713 | -.1685 | -.0028 |
| .302 | -.1671 | -.1365 | -.0306 |
| .228 | -.1560 | -.1006 | -.0554 |
| .151 | -.1100 | -.1359 | 0.0258 |
| .060 | -.0243 | -.2559 | 0.2316 |
| .012 | 0.3285 | -.3839 | 0.7124 |

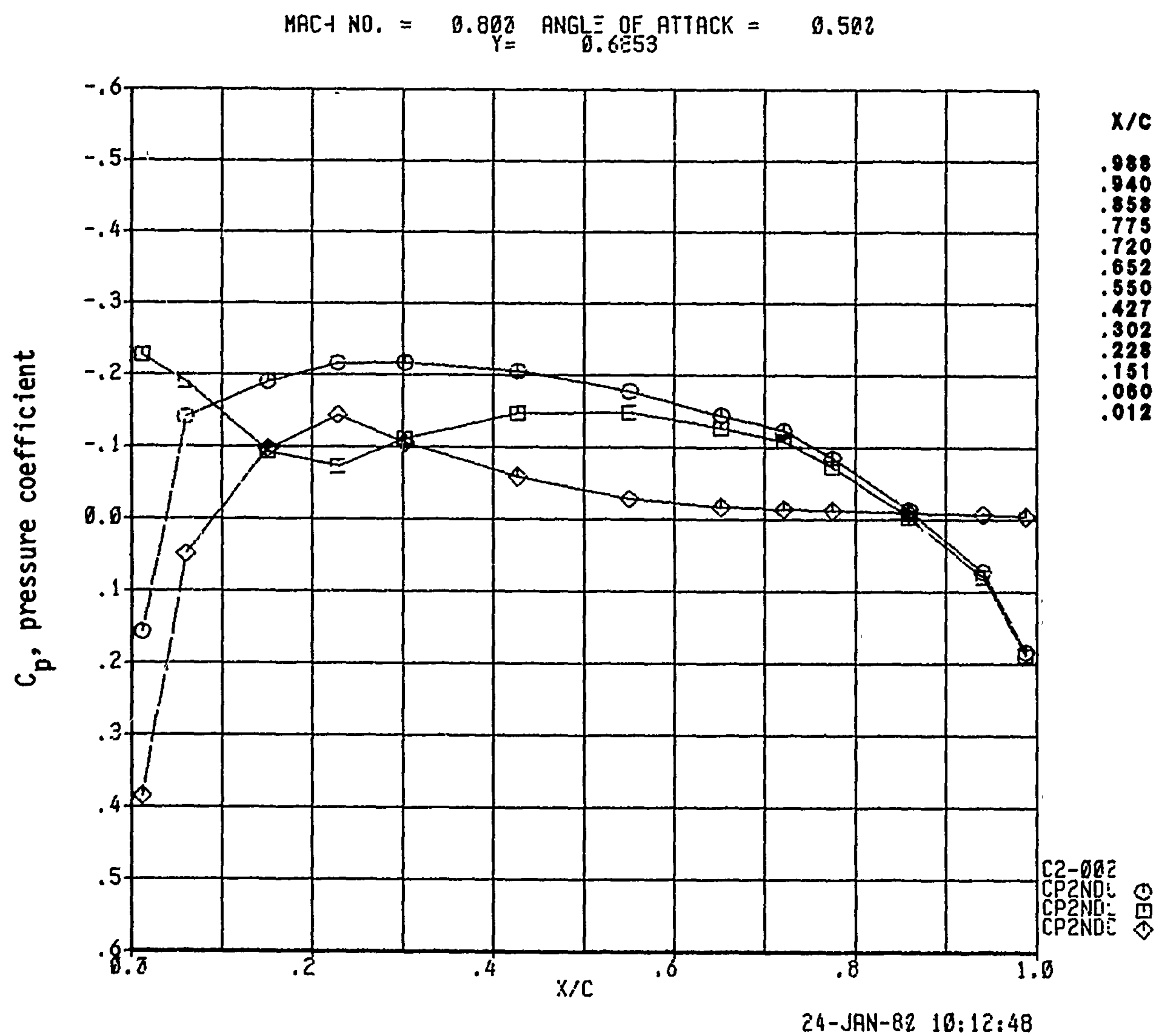
Figure 547, Chordwise Pressure Distribution, Steady, Configuration 7

MACH NO. = 0.803 ANGLE OF ATTACK = 0.002
Y= 0.6253




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1851 | 0.1853 | -.0002 |
| .940 | 0.0749 | 0.0747 | 0.0002 |
| .858 | -.0082 | -.0092 | 0.0009 |
| .775 | -.0780 | -.0797 | 0.0017 |
| .720 | -.1154 | -.1174 | 0.0020 |
| .652 | -.1350 | -.1366 | 0.0016 |
| .550 | -.1658 | -.1611 | -.0047 |
| .427 | -.1910 | -.1629 | -.0282 |
| .302 | -.1985 | -.1305 | -.0678 |
| .228 | -.1947 | -.0950 | -.0997 |
| .151 | -.1600 | -.1243 | -.0358 |
| .060 | -.0916 | -.2438 | 0.1522 |
| .012 | 0.2490 | -.3485 | 0.5974 |

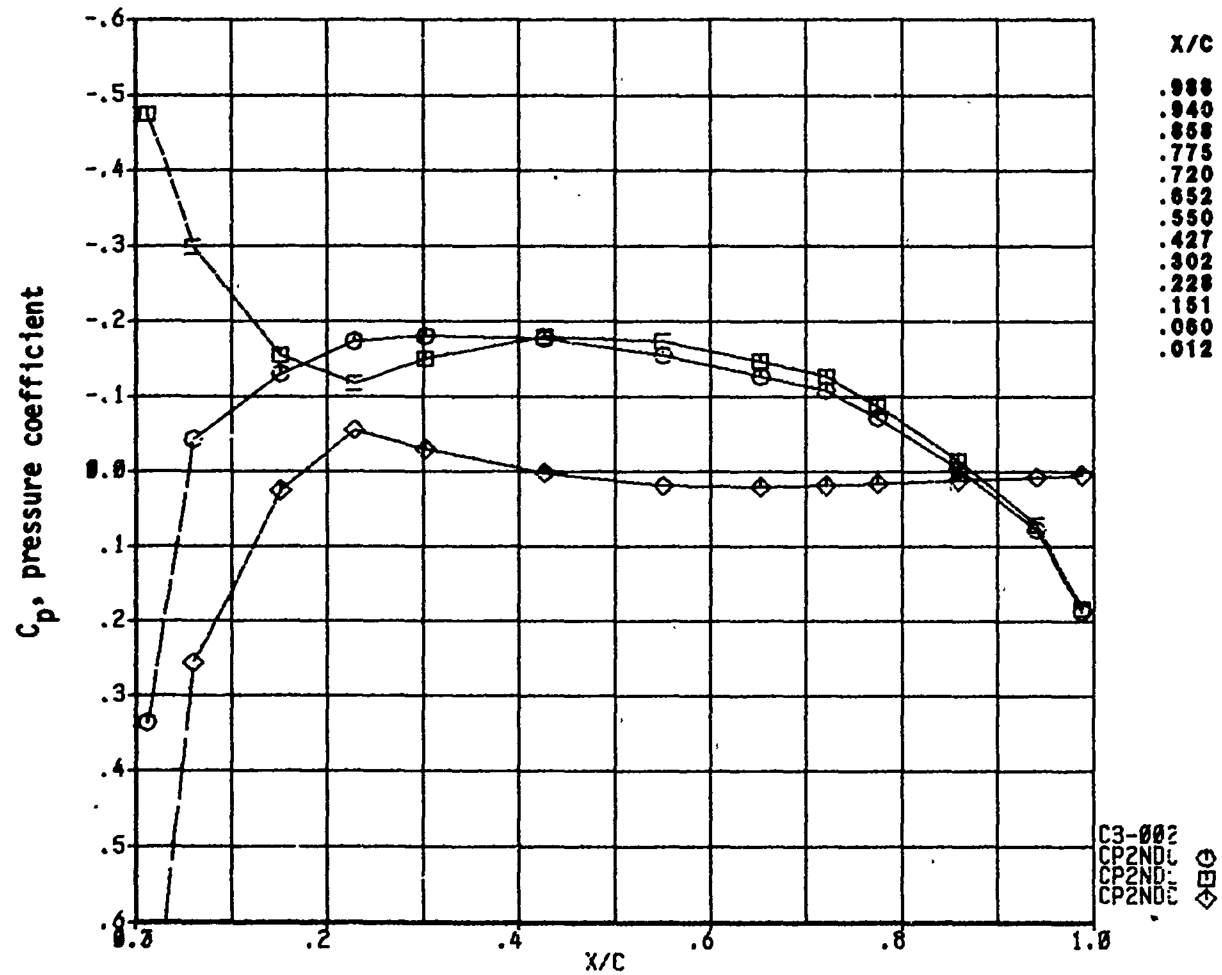
Figure 548, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1831 | 0.1879 | -.0047 |
| .940 | 0.0716 | 0.0787 | -.0070 |
| .858 | -.0132 | -.0034 | -.0098 |
| .775 | -.0846 | -.0722 | -.0124 |
| .720 | -.1228 | -.1088 | -.0140 |
| .652 | -.1437 | -.1266 | -.0171 |
| .550 | -.1769 | -.1487 | -.0282 |
| .427 | -.2056 | -.1471 | -.0584 |
| .302 | -.2170 | -.1113 | -.1057 |
| .228 | -.2164 | -.0726 | -.1438 |
| .151 | -.1899 | -.0932 | -.0968 |
| .060 | -.1412 | -.1895 | 0.0484 |
| .012 | 0.1568 | -.2273 | 0.3841 |

Figure 549, Chordwise Pressure Distribution, Steady, Configuration 7

MACH NO. = 0.803 ANGLE OF ATTACK = -0.502
Y= 0.6253

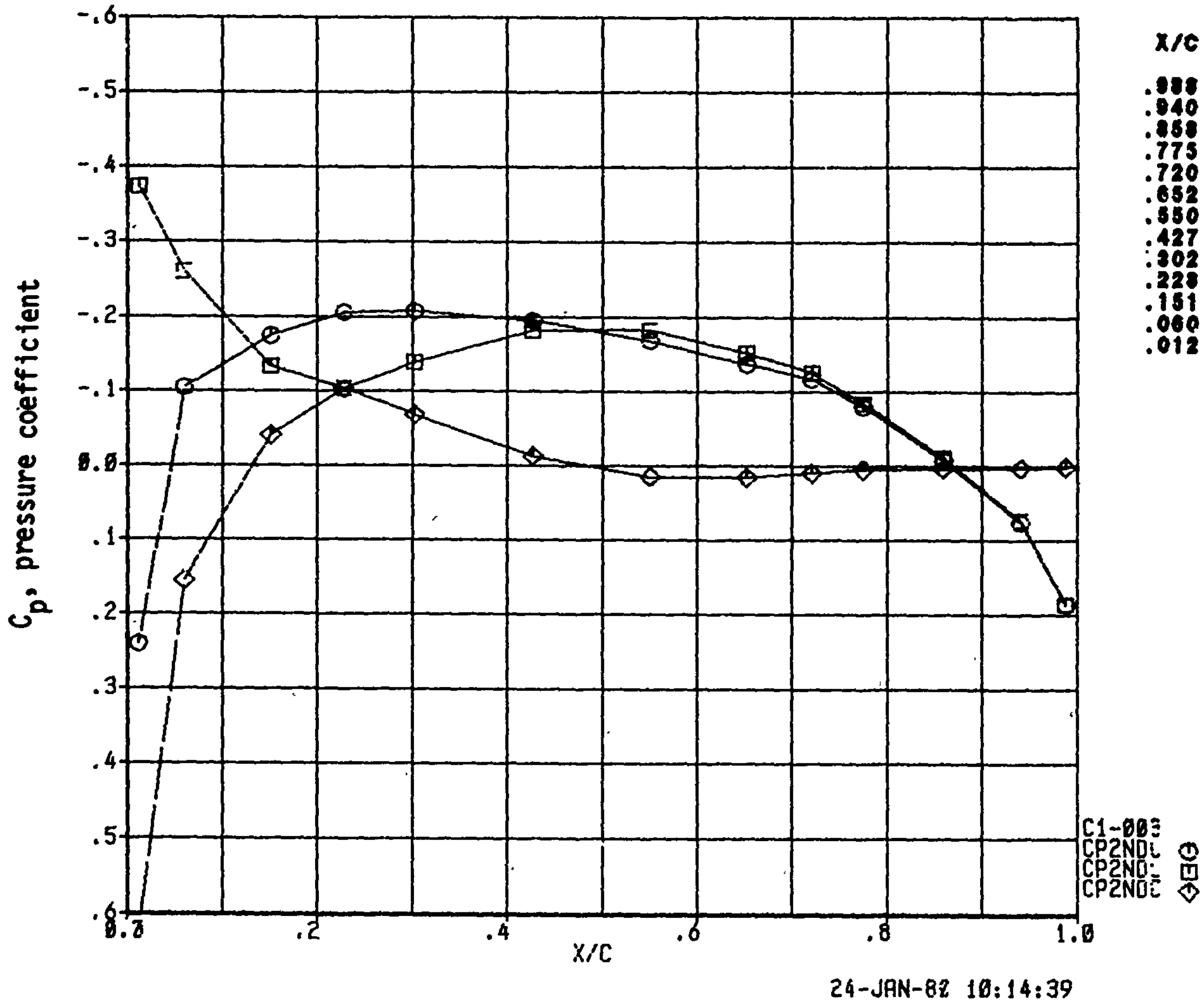



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1870 | 0.1826 | 0.0043 |
| .940 | 0.0780 | 0.0707 | 0.0074 |
| .858 | -.0034 | -.0152 | 0.0118 |
| .775 | -.0716 | -.0874 | 0.0158 |
| .720 | -.1081 | -.1262 | 0.0181 |
| .652 | -.1264 | -.1468 | 0.0204 |
| .550 | -.1548 | -.1738 | 0.0189 |
| .427 | -.1767 | -.1788 | 0.0021 |
| .302 | -.1801 | -.1501 | -.0300 |
| .228 | -.1732 | -.1177 | -.0555 |
| .151 | -.1305 | -.1558 | 0.0253 |
| .060 | -.0430 | -.2991 | 0.2560 |
| .012 | 0.3358 | -.4749 | 0.8108 |

24-JAN-82 10:13:45

Figure 550, Chordwise Pressure Distribution, Steady, Configuration 7

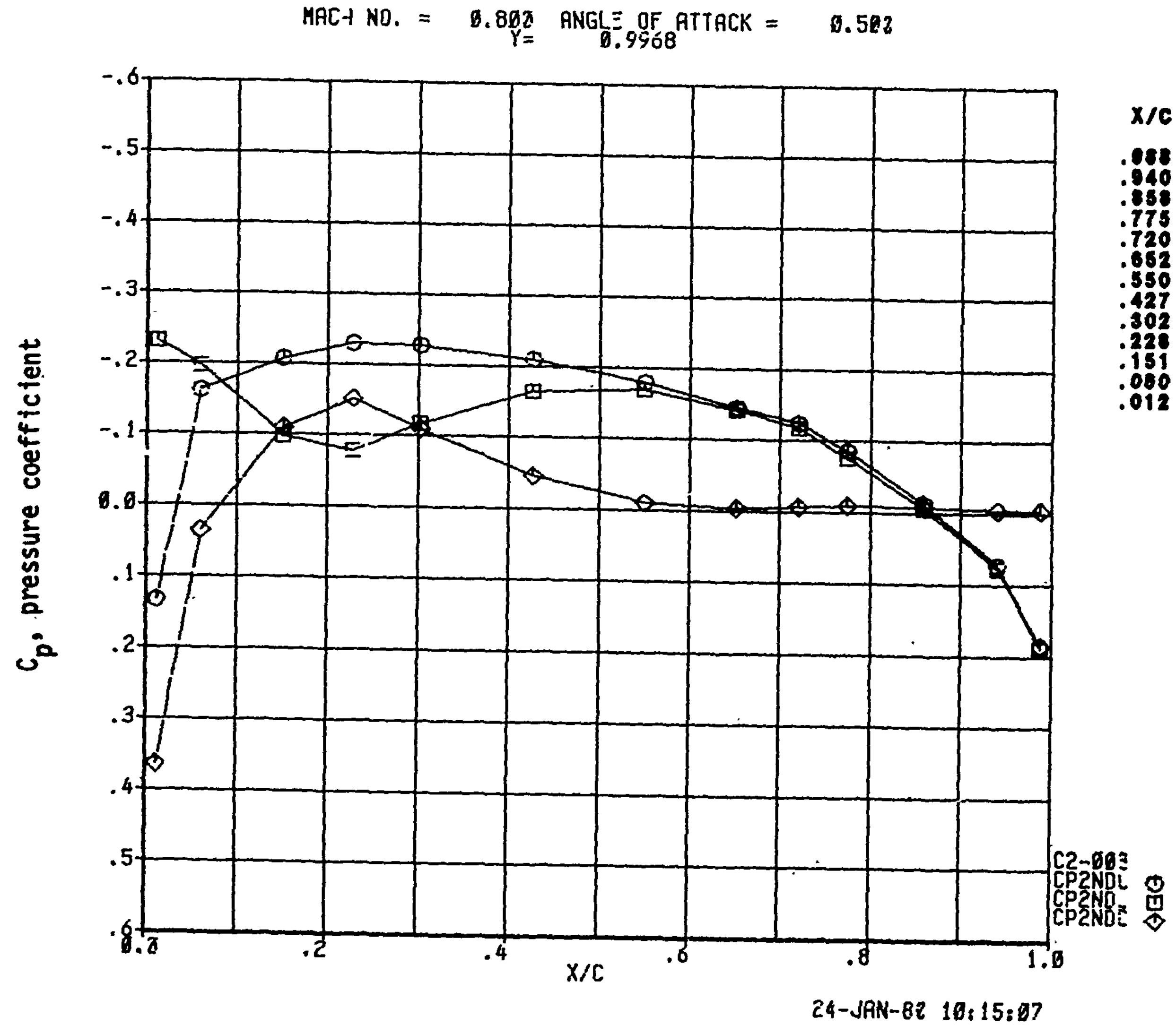
MACH NO. = 0.800 ANGLE OF ATTACK = 0.002
Y= 0.9968




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1861 | 0.1856 | 0.0004 |
| .940 | 0.0756 | 0.0731 | 0.0025 |
| .858 | -.0085 | -.0115 | 0.0030 |
| .775 | -.0792 | -.0836 | 0.0044 |
| .720 | -.1165 | -.1260 | 0.0094 |
| .652 | -.1364 | -.1518 | 0.0153 |
| .550 | -.1682 | -.1827 | 0.0144 |
| .427 | -.1949 | -.1819 | -.0130 |
| .302 | -.2075 | -.1393 | -.0682 |
| .228 | -.2060 | -.1032 | -.1028 |
| .151 | -.1740 | -.1333 | -.0407 |
| .060 | -.1044 | -.2597 | 0.1552 |
| .012 | 0.2406 | -.3730 | 0.6136 |

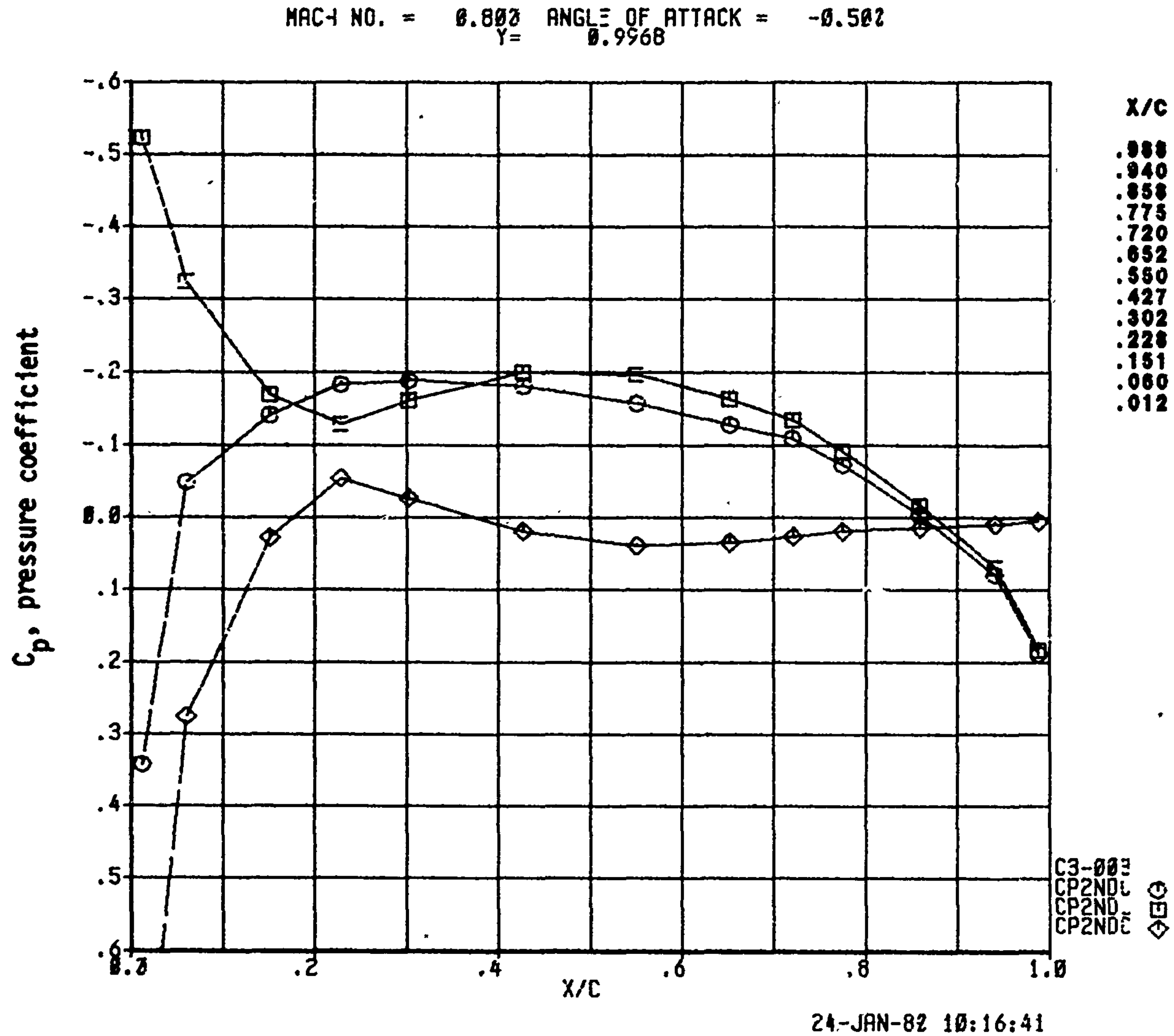
24-JAN-82 10:14:39

Figure 551, Chordwise Pressure Distribution, Steady, Configuration 7



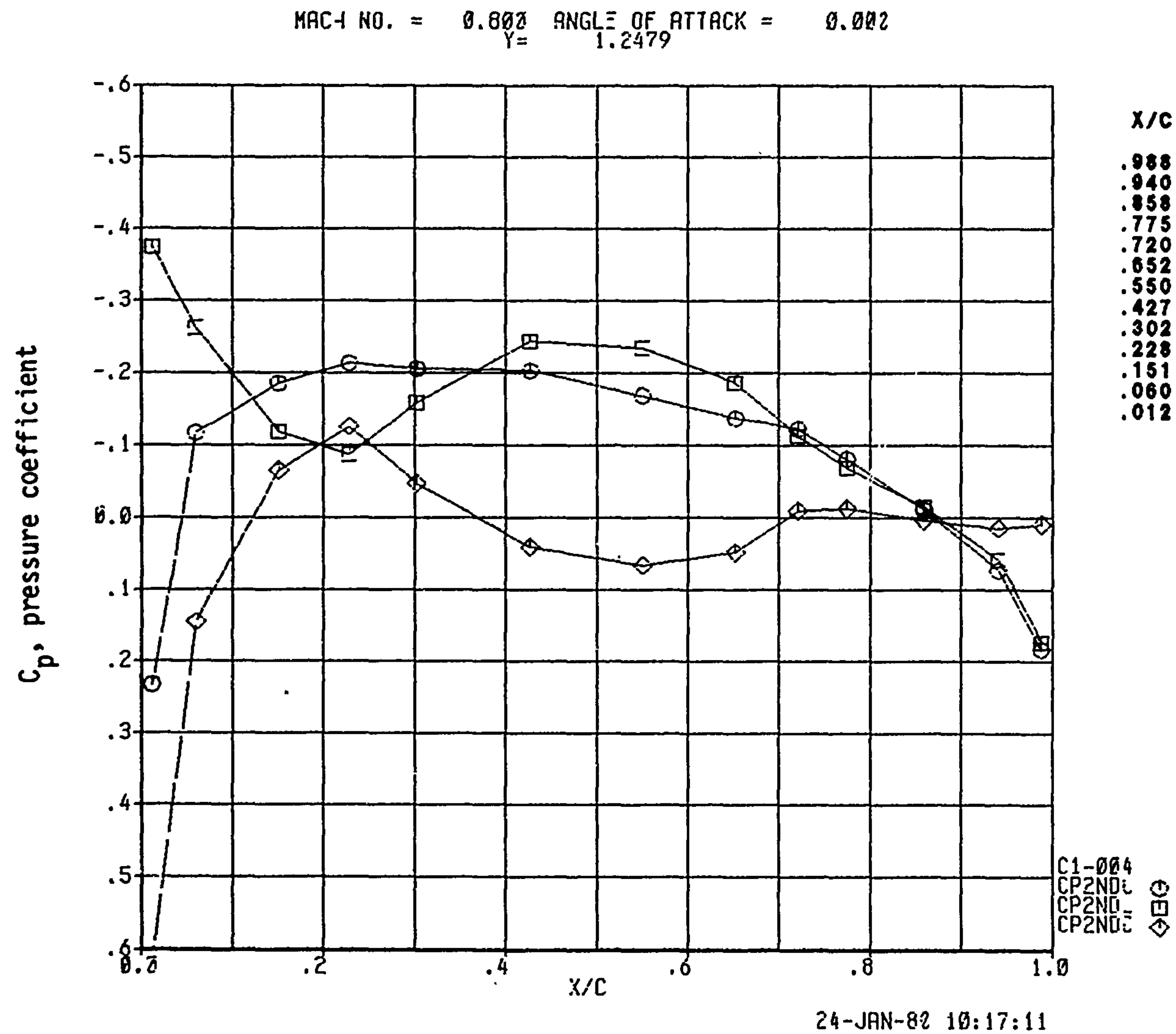

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1841 | 0.1883 | -.0042 |
| .940 | 0.0724 | 0.0771 | -.0047 |
| .858 | -.0133 | -.0054 | -.0079 |
| .775 | -.0856 | -.0758 | -.0098 |
| .720 | -.1238 | -.1170 | -.0068 |
| .652 | -.1451 | -.1413 | -.0038 |
| .550 | -.1793 | -.1692 | -.0101 |
| .427 | -.2097 | -.1644 | -.0455 |
| .302 | -.2271 | -.1177 | -.1093 |
| .228 | -.2294 | -.0783 | -.1511 |
| .151 | -.2073 | -.0982 | -.1091 |
| .080 | -.1617 | -.1970 | 0.0353 |
| .012 | 0.1322 | -.2310 | 0.3631 |

Figure 552, Chordwise Pressure Distribution, Steady, Configuration 7



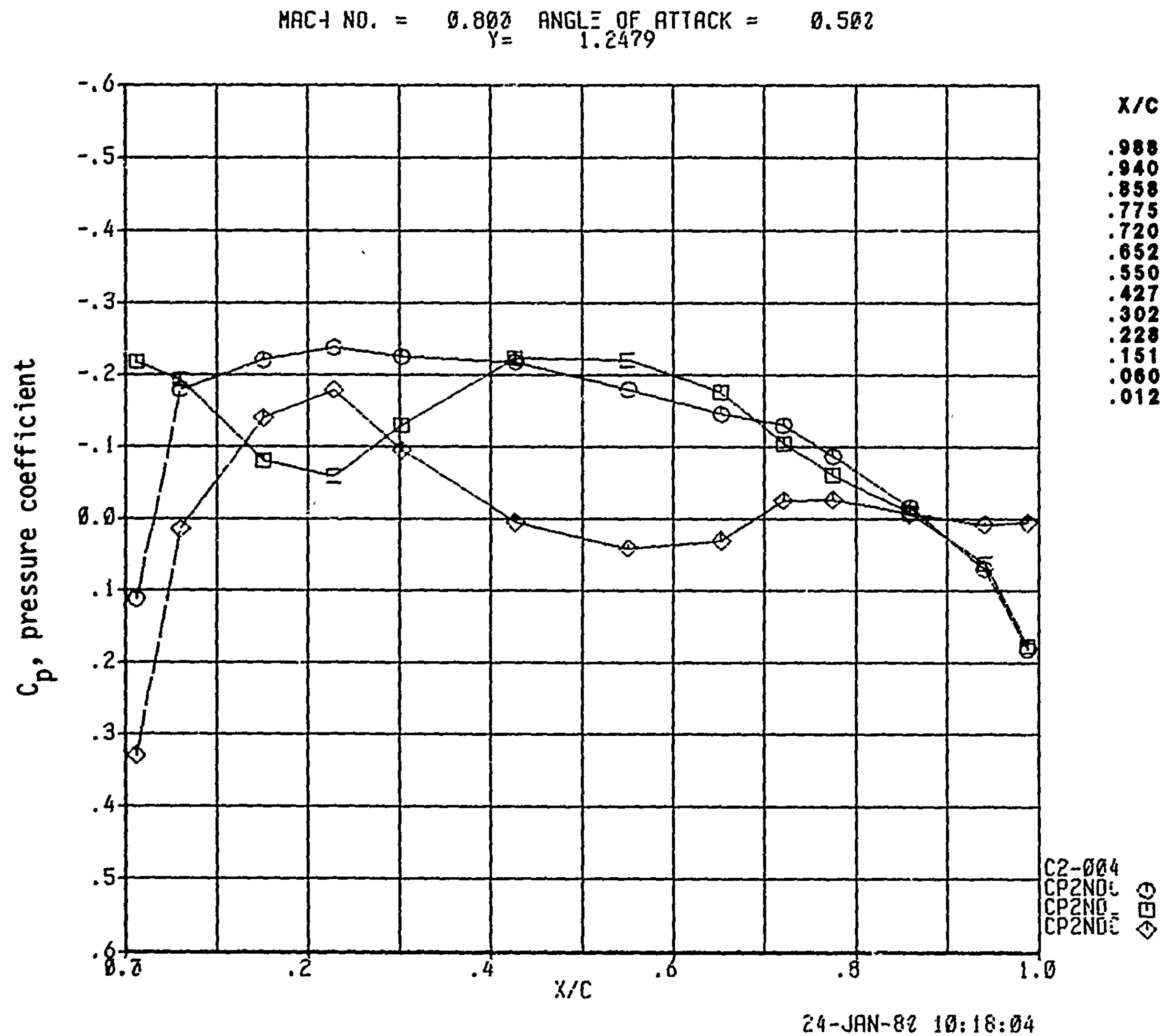

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1879 | 0.1829 | 0.0050 |
| .940 | 0.0787 | 0.0689 | 0.0098 |
| .858 | -.0038 | -.0176 | 0.0139 |
| .775 | -.0730 | -.0917 | 0.0187 |
| .720 | -.1094 | -.1351 | 0.0257 |
| .652 | -.1280 | -.1625 | 0.0345 |
| .550 | -.1573 | -.1963 | 0.0389 |
| .427 | -.1803 | -.1997 | 0.0194 |
| .302 | -.1881 | -.1611 | -.0270 |
| .228 | -.1829 | -.1284 | -.0545 |
| .151 | -.1412 | -.1688 | 0.0276 |
| .060 | -.0485 | -.3237 | 0.2751 |
| .012 | 0.3421 | -.5222 | 0.8643 |

Figure 553, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1832 | 0.1738 | 0.0093 |
| .940 | 0.0726 | 0.0580 | 0.0146 |
| .858 | -.0113 | -.0149 | 0.0036 |
| .775 | -.0809 | -.0685 | -.0125 |
| .720 | -.1228 | -.1133 | -.0095 |
| .652 | -.1373 | -.1861 | 0.0487 |
| .550 | -.1682 | -.2343 | 0.0661 |
| .427 | -.2029 | -.2436 | 0.0407 |
| .302 | -.2054 | -.1579 | -.0474 |
| .228 | -.2130 | -.0874 | -.1256 |
| .151 | -.1846 | -.1188 | -.0657 |
| .060 | -.1167 | -.2616 | 0.1449 |
| .012 | 0.2316 | -.3737 | 0.6053 |

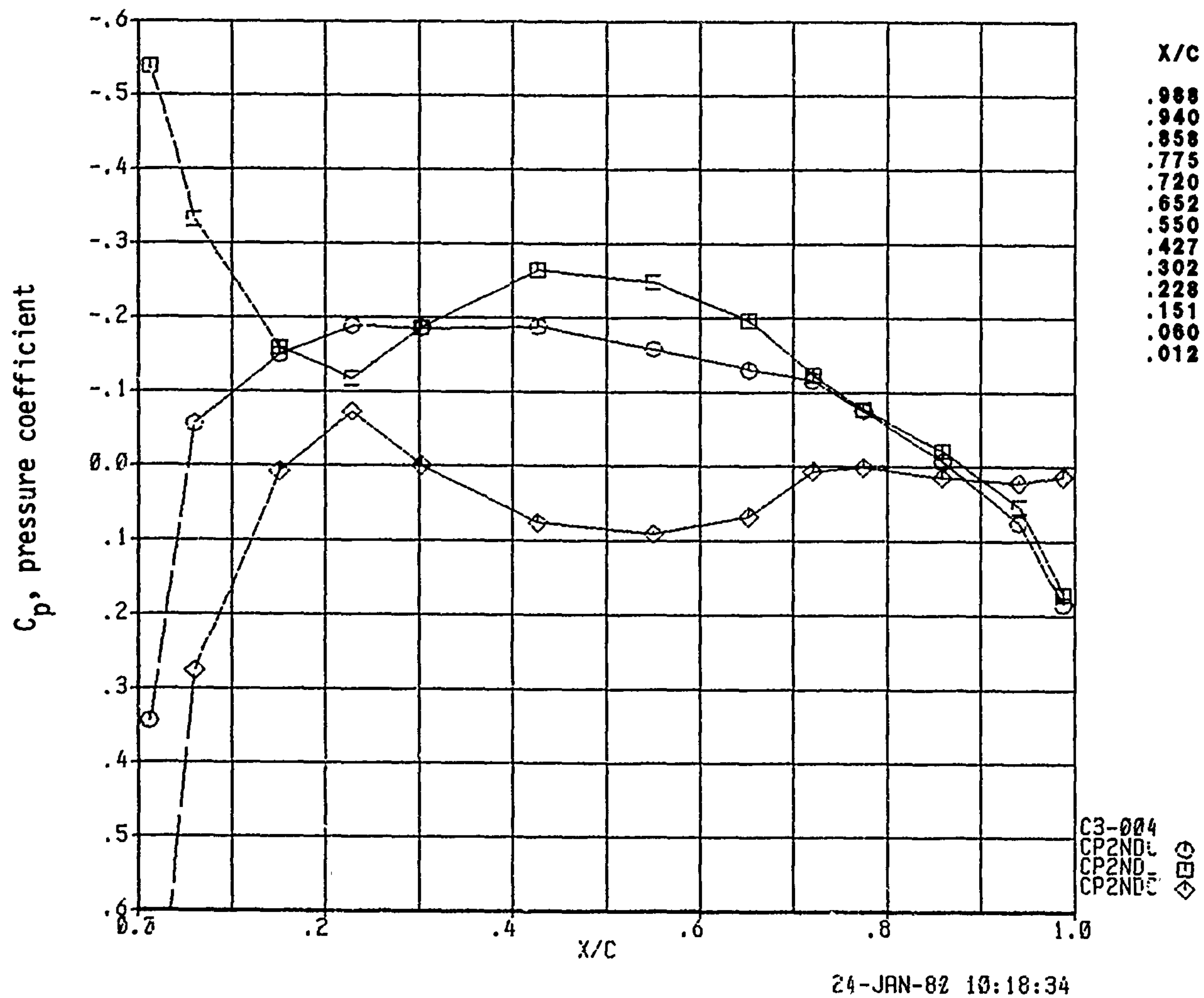
Figure 554, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1812 | 0.1765 | 0.0048 |
| .940 | 0.0695 | 0.0621 | 0.0074 |
| .858 | -.0160 | -.0088 | -.0072 |
| .775 | -.0870 | -.0604 | -.0266 |
| .720 | -.1298 | -.1042 | -.0257 |
| .652 | -.1456 | -.1753 | 0.0297 |
| .550 | -.1791 | -.2202 | 0.0411 |
| .427 | -.2177 | -.2229 | 0.0051 |
| .302 | -.2255 | -.1305 | -.0950 |
| .228 | -.2373 | -.0588 | -.1785 |
| .151 | -.2200 | -.0804 | -.1397 |
| .060 | -.1791 | -.1931 | 0.0139 |
| .012 | 0.1115 | -.2177 | 0.3292 |

Figure 555, Chordwise Pressure Distribution, Steady, Configuration 7

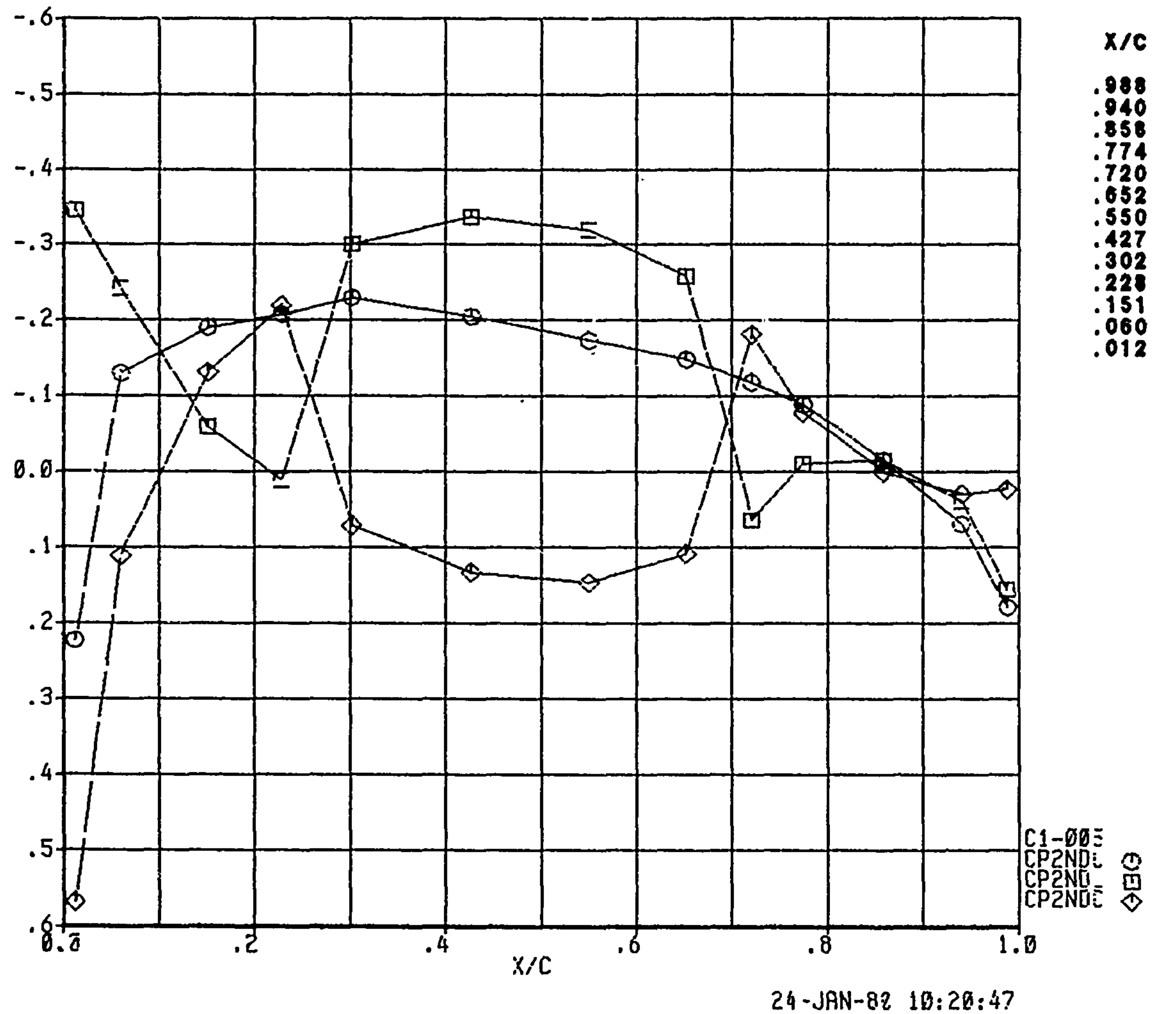
MACH NO. = 0.800 ANGLE OF ATTACK = -0.502
Y= 1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1849 | 0.1710 | 0.0138 |
| .940 | 0.0756 | 0.0537 | 0.0219 |
| .858 | -.0069 | -.0212 | 0.0144 |
| .775 | -.0750 | -.0767 | 0.0016 |
| .720 | -.1160 | -.1226 | 0.0066 |
| .652 | -.1292 | -.1969 | 0.0677 |
| .550 | -.1576 | -.2487 | 0.0911 |
| .427 | -.1883 | -.2646 | 0.0763 |
| .302 | -.1855 | -.1857 | 0.0002 |
| .228 | -.1891 | -.1166 | -.0725 |
| .151 | -.1496 | -.1579 | 0.0083 |
| .060 | -.0560 | -.3319 | 0.2759 |
| .012 | 0.3434 | -.5384 | 0.8819 |

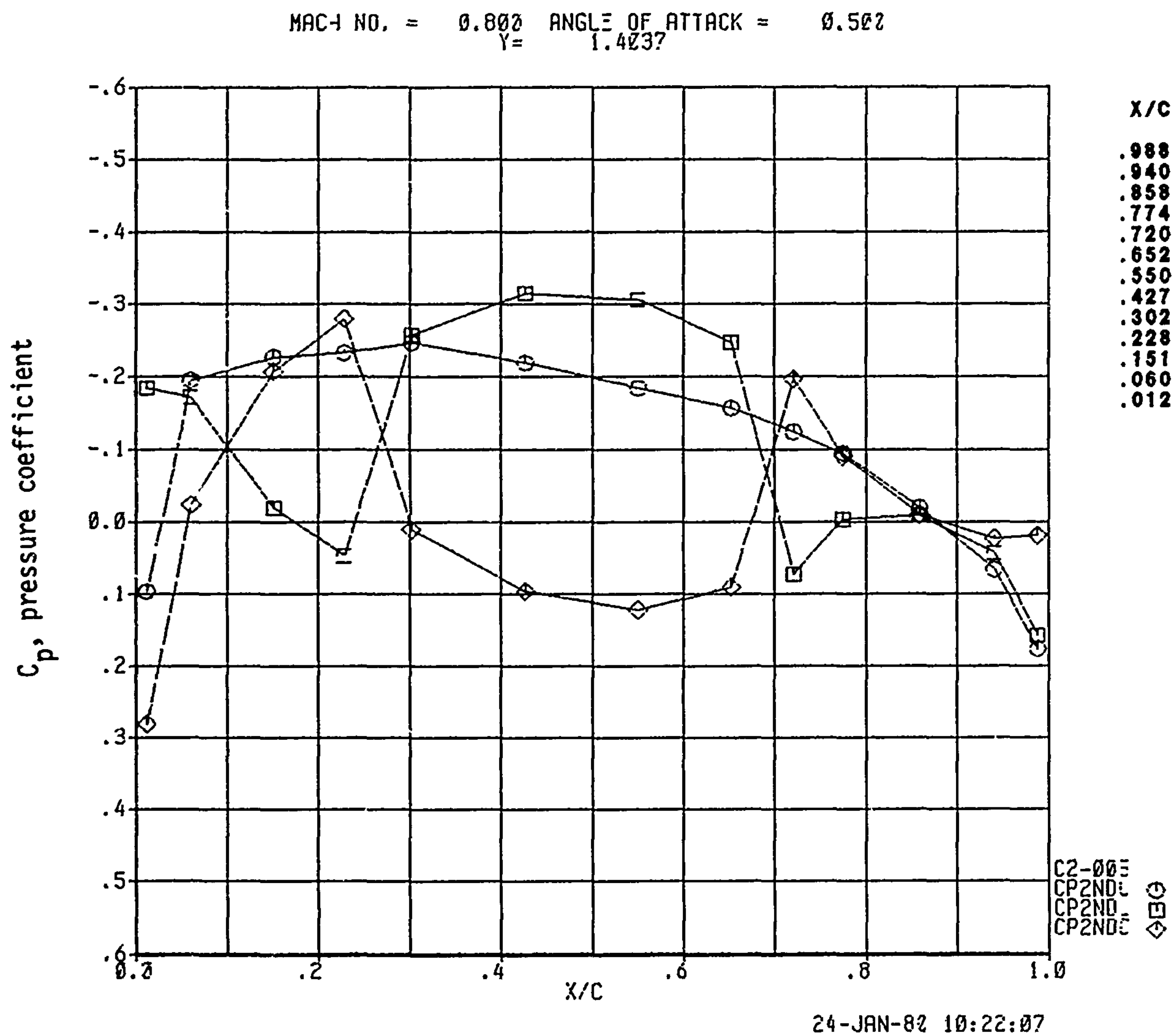
Figure 556, Chordwise Pressure Distribution, Steady, Configuration 7

MACH NO. = 0.800 ANGLE OF ATTACK = 0.002
Y= 1.4037



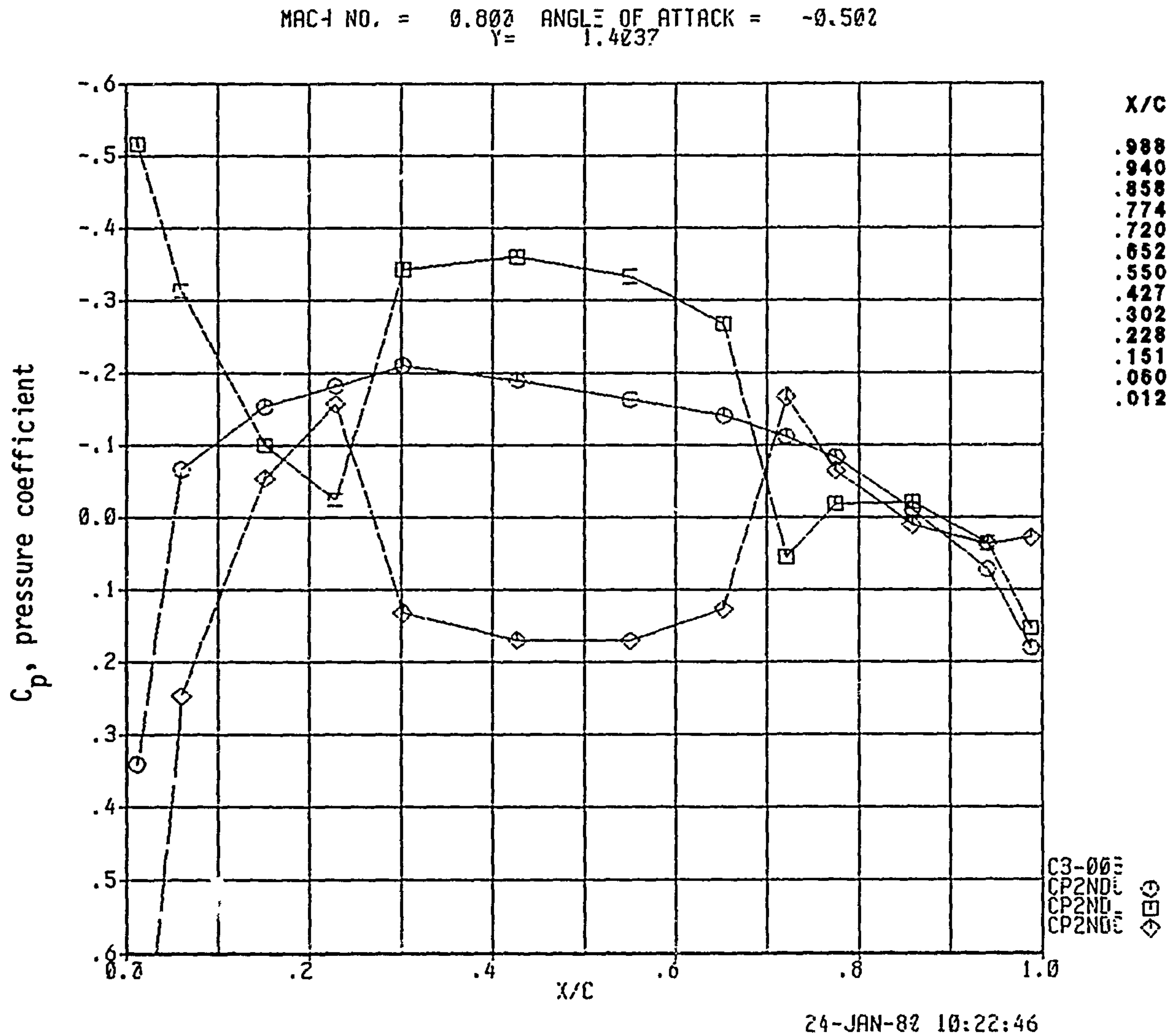

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1783 | 0.1551 | 0.0232 |
| .940 | 0.0689 | 0.0394 | 0.0294 |
| .858 | -.0150 | -.0151 | 0.0001 |
| .774 | -.0883 | -.0106 | -.0778 |
| .720 | -.1177 | 0.0635 | -.1813 |
| .652 | -.1482 | -.2570 | 0.1088 |
| .550 | -.1732 | -.3191 | 0.1459 |
| .427 | -.2044 | -.3370 | 0.1327 |
| .302 | -.2287 | -.2998 | 0.0712 |
| .228 | -.2070 | 0.0115 | -.2185 |
| .151 | -.1899 | -.0591 | -.1308 |
| .060 | -.1293 | -.2409 | 0.1116 |
| .012 | 0.2229 | -.3451 | 0.5680 |

Figure 557, Chordwise Pressure Distribution, Steady, Configuration 7



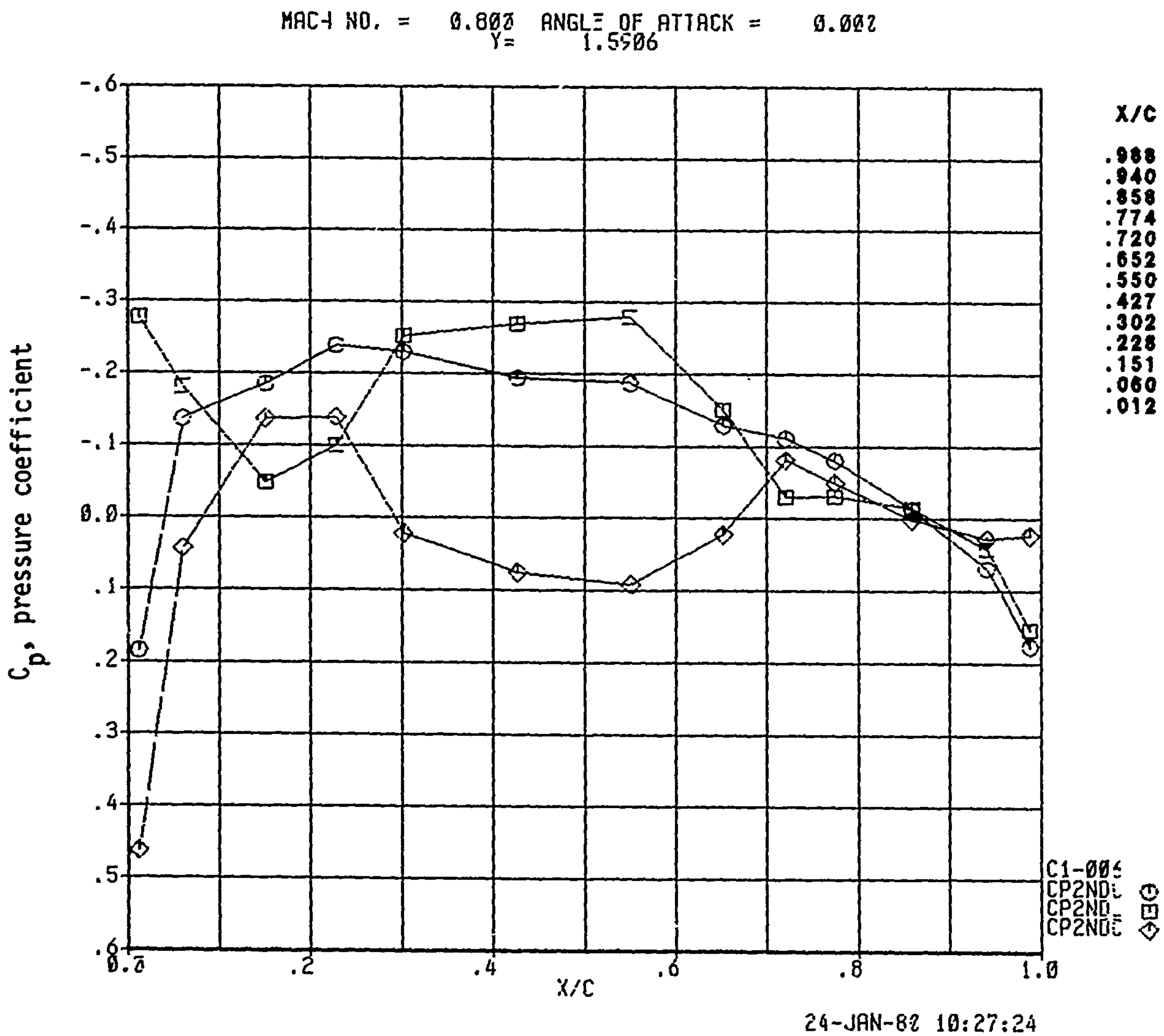

| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1762 | 0.1575 | 0.0187 |
| .940 | 0.0657 | 0.0432 | 0.0225 |
| .858 | -.0196 | -.0094 | -.0102 |
| .774 | -.0942 | -.0031 | -.0910 |
| .720 | -.1243 | 0.0718 | -.1961 |
| .652 | -.1559 | -.2466 | 0.0906 |
| .550 | -.1836 | -.3053 | 0.1218 |
| .427 | -.2190 | -.3148 | 0.0958 |
| .302 | -.2470 | -.2576 | 0.0105 |
| .228 | -.2326 | 0.0468 | -.2794 |
| .151 | -.2267 | -.0198 | -.2070 |
| .060 | -.1942 | -.1706 | -.0236 |
| .012 | 0.0967 | -.1844 | 0.2810 |

Figure 558, Chordwise Pressure Distribution, Steady, Configuration 7



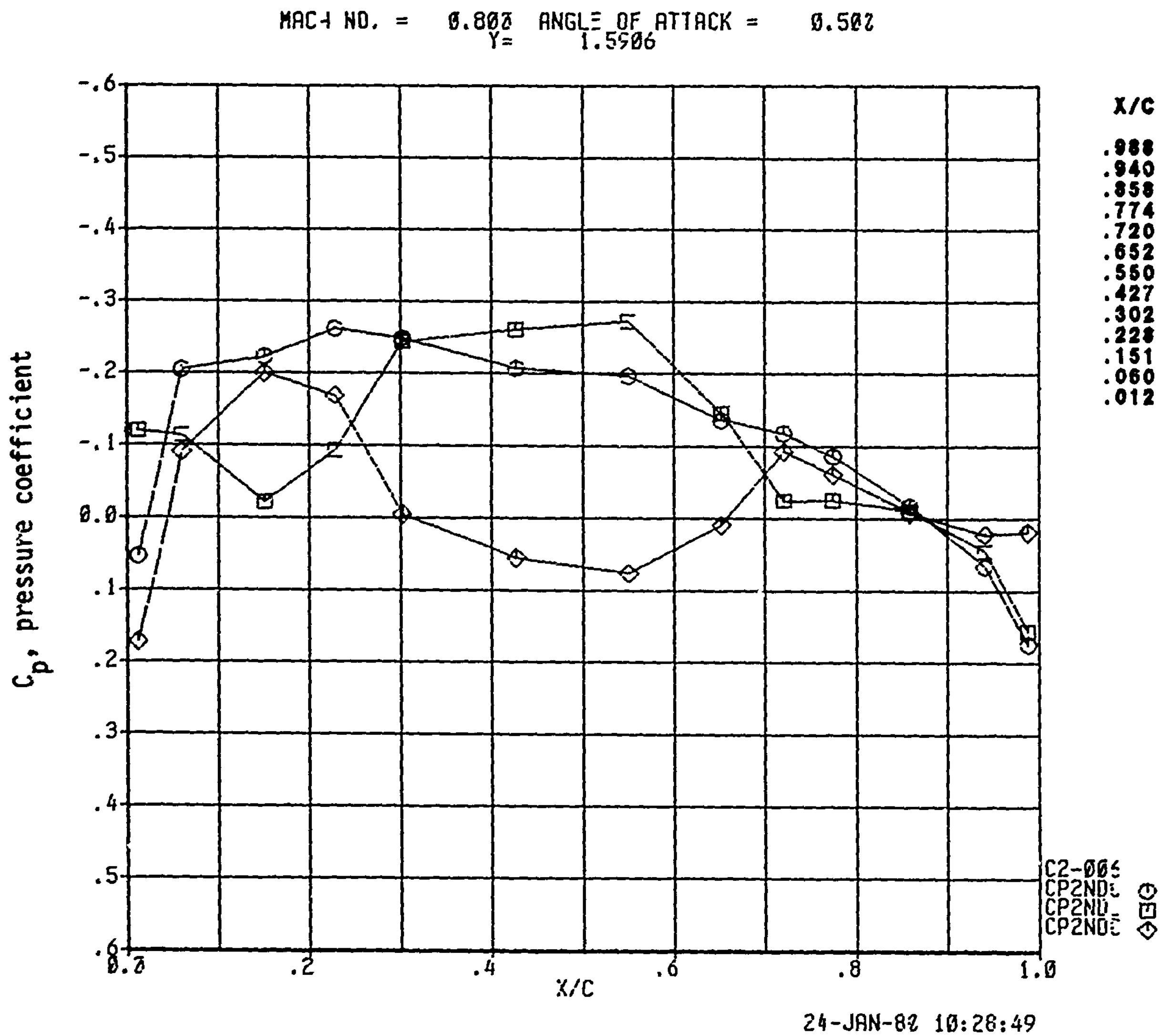

| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | 0.1801 | 0.1524 | 0.0276 |
| .940 | 0.0717 | 0.0354 | 0.0363 |
| .858 | -.0108 | -.0210 | 0.0102 |
| .774 | -.0827 | -.0181 | -.0646 |
| .720 | -.1114 | 0.0551 | -.1665 |
| .652 | -.1407 | -.2675 | 0.1269 |
| .550 | -.1631 | -.3332 | 0.1700 |
| .427 | -.1900 | -.3596 | 0.1696 |
| .302 | -.2106 | -.3426 | 0.1320 |
| .228 | -.1817 | -.0247 | -.1571 |
| .151 | -.1536 | -.0993 | -.0543 |
| .060 | -.0661 | -.3132 | 0.2471 |
| .012 | 0.3402 | -.5152 | 0.8555 |

Figure 559, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1764 | 0.1537 | 0.0227 |
| .940 | 0.0689 | 0.0416 | 0.0273 |
| .858 | -.0133 | -.0141 | 0.0010 |
| .774 | -.0809 | -.0308 | -.0500 |
| .720 | -.1112 | -.0299 | -.0814 |
| .652 | -.1283 | -.1505 | 0.0222 |
| .550 | -.1867 | -.2788 | 0.0920 |
| .427 | -.1937 | -.2693 | 0.0756 |
| .302 | -.2295 | -.2513 | 0.0218 |
| .228 | -.2381 | -.0996 | -.1386 |
| .151 | -.1849 | -.0478 | -.1371 |
| .060 | -.1365 | -.1801 | 0.0436 |
| .012 | 0.1849 | -.2771 | 0.4620 |

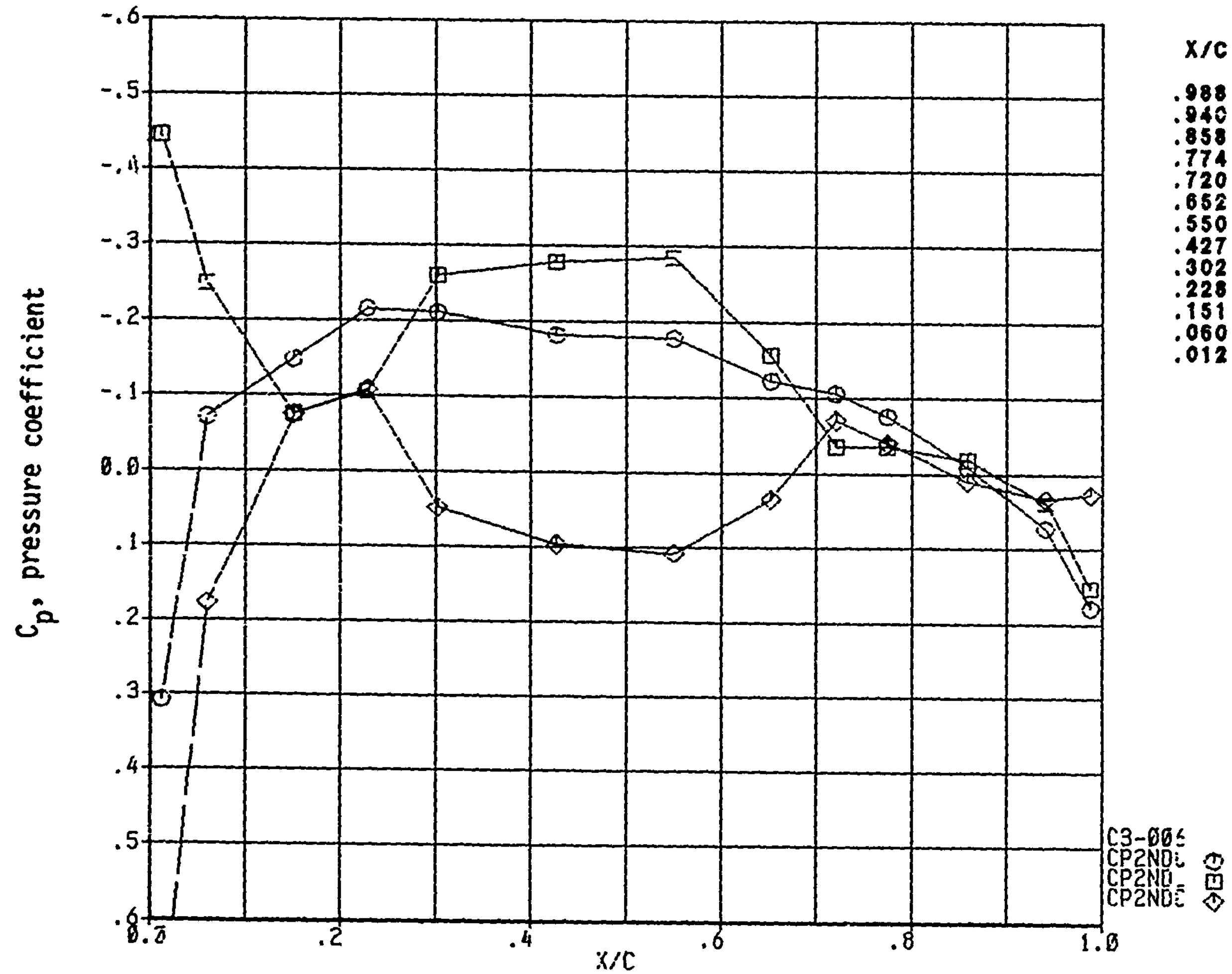
Figure 560, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1741 | 0.1559 | 0.0183 |
| .940 | 0.0658 | 0.0446 | 0.0213 |
| .858 | -.0176 | -.0101 | -.0074 |
| .774 | -.0862 | -.0258 | -.0604 |
| .720 | -.1173 | -.0245 | -.0928 |
| .652 | -.1354 | -.1448 | 0.0095 |
| .550 | -.1959 | -.2721 | 0.0761 |
| .427 | -.2065 | -.2613 | 0.0548 |
| .302 | -.2482 | -.2434 | -.0047 |
| .228 | -.2618 | -.0933 | -.1684 |
| .151 | -.2224 | -.0223 | -.2001 |
| .060 | -.2041 | -.1138 | -.0903 |
| .012 | 0.0528 | -.1191 | 0.1720 |

Figure 561, Chordwise Pressure Distribution, Steady, Configuration 7

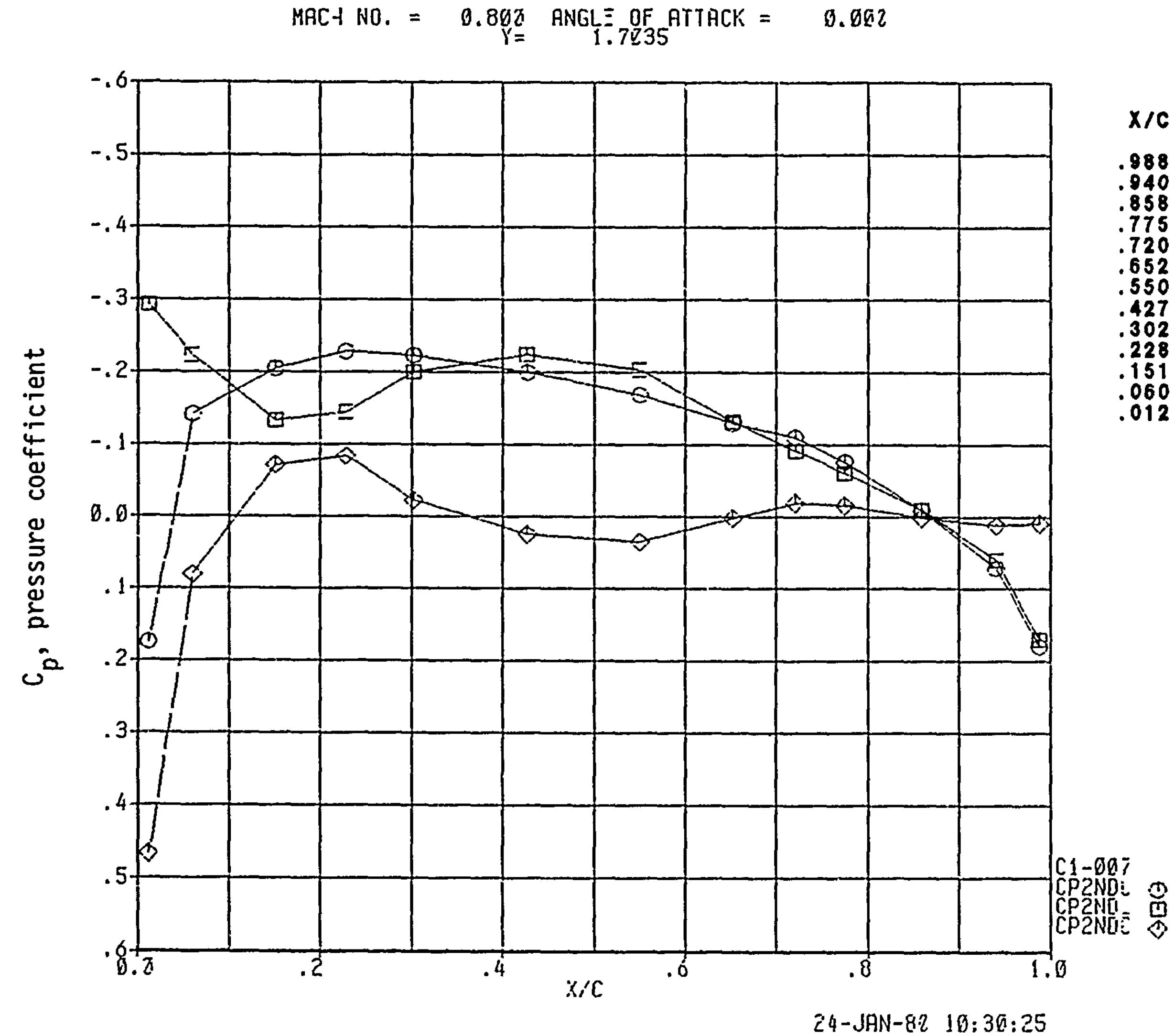
MACH NO. = 0.800 ANGLE OF ATTACK = -0.502
Y= 1.5506




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1783 | 0.1514 | 0.0269 |
| .940 | 0.0718 | 0.0385 | 0.0333 |
| .858 | -.0092 | -.0184 | 0.0092 |
| .774 | -.0757 | -.0360 | -.0398 |
| .720 | -.1055 | -.0353 | -.0701 |
| .652 | -.1217 | -.1565 | 0.0347 |
| .550 | -.1778 | -.2855 | 0.1078 |
| .427 | -.1812 | -.2776 | 0.0963 |
| .302 | -.2112 | -.2595 | 0.0483 |
| .228 | -.2150 | -.1061 | -.1088 |
| .151 | -.1482 | -.0740 | -.0742 |
| .060 | -.0708 | -.2482 | 0.1774 |
| .012 | 0.3076 | -.4445 | 0.7521 |

24-JAN-82 10:29:35

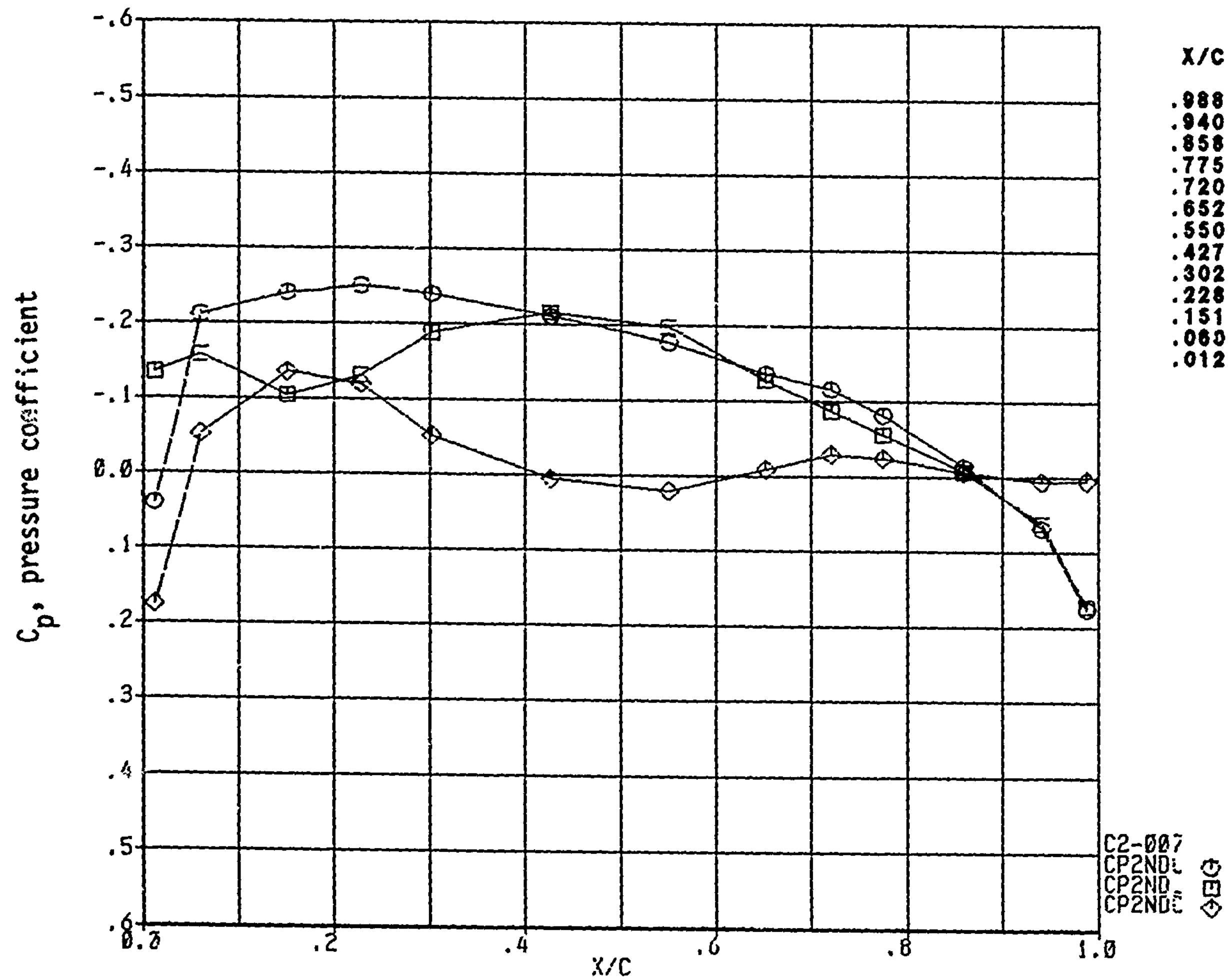
Figure 562, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1791 | 0.1702 | 0.0089 |
| .940 | 0.0712 | 0.0596 | 0.0116 |
| .858 | -.0095 | -.0106 | 0.0012 |
| .775 | -.0765 | -.0605 | -.0160 |
| .720 | -.1108 | -.0912 | -.0196 |
| .652 | -.1300 | -.1319 | 0.0019 |
| .550 | -.1686 | -.2032 | 0.0346 |
| .427 | -.1996 | -.2236 | 0.0240 |
| .302 | -.2229 | -.2000 | -.0229 |
| .228 | -.2283 | -.1450 | -.0832 |
| .151 | -.2045 | -.1330 | -.0715 |
| .060 | -.1421 | -.2228 | 0.0807 |
| .012 | 0.1740 | -.2929 | 0.4669 |

Figure 563, Chordwise Pressure Distribution, Steady, Configuration 7

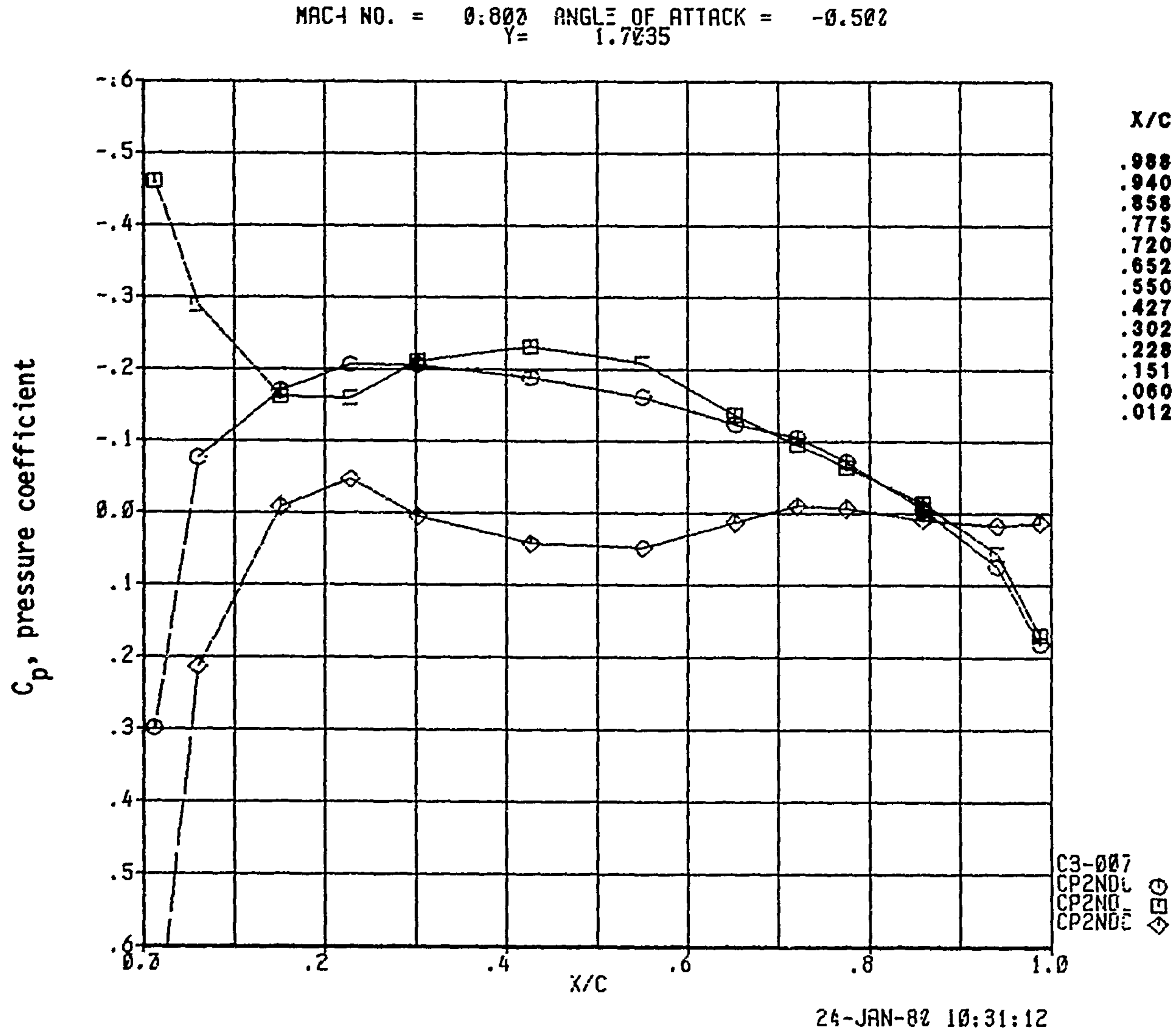
MACH NO. = 0.800 ANGLE OF ATTACK = 0.500
Y= 1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1765 | 0.1721 | 0.0045 |
| .940 | 0.0680 | 0.0621 | 0.0059 |
| .858 | -.0136 | -.0073 | -.0063 |
| .775 | -.0816 | -.0566 | -.0250 |
| .720 | -.1163 | -.0869 | -.0294 |
| .652 | -.1364 | -.1271 | -.0091 |
| .550 | -.1767 | -.1974 | 0.0207 |
| .427 | -.2110 | -.2158 | 0.0048 |
| .302 | -.2399 | -.1889 | -.0511 |
| .228 | -.2504 | -.1308 | -.1196 |
| .151 | -.2402 | -.1050 | -.1352 |
| .060 | -.2099 | -.1578 | -.0521 |
| .012 | 0.0400 | -.1351 | 0.1751 |

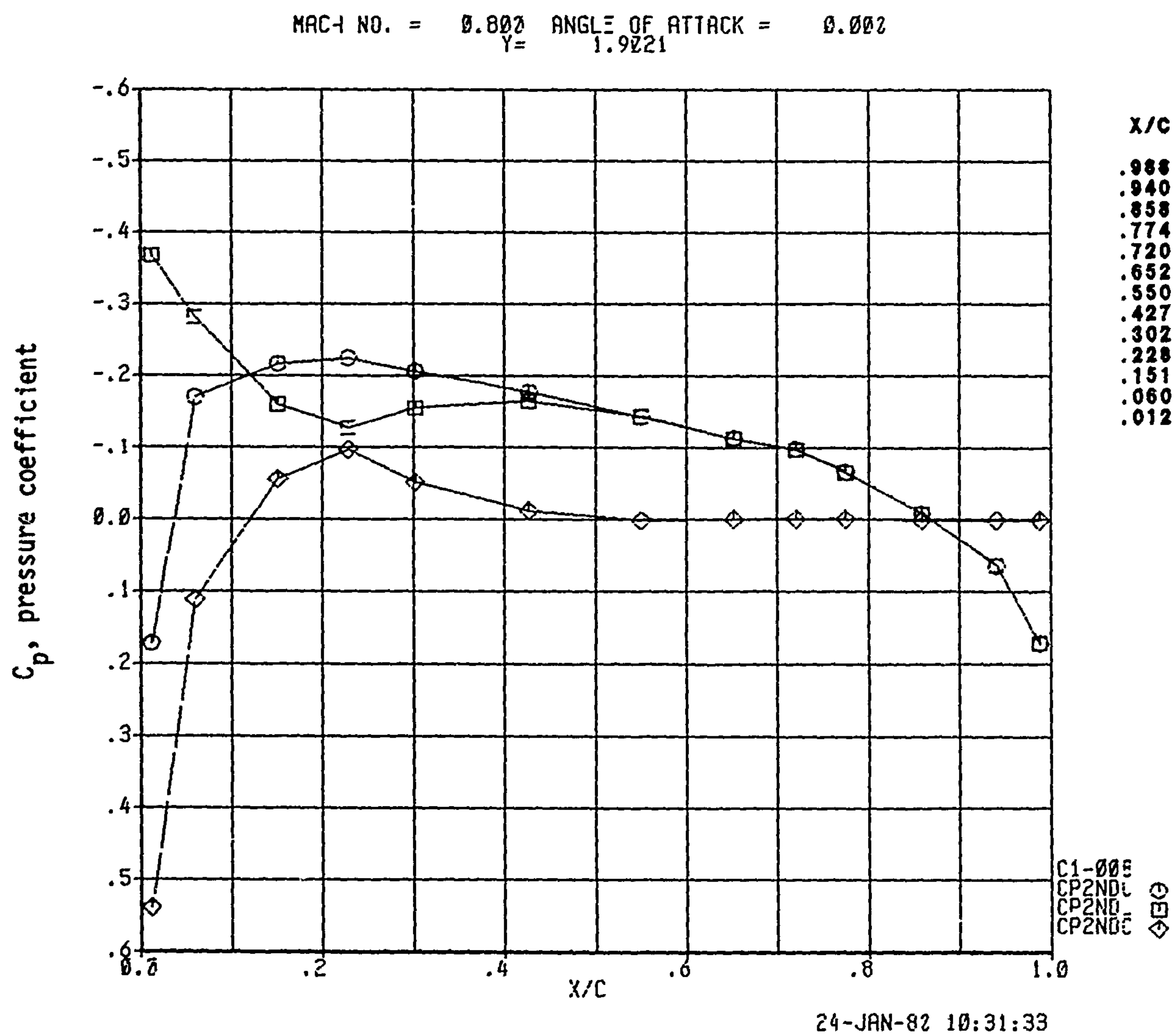
24-JAN-82 10:30:51

Figure 564, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1812 | 0.1680 | 0.0132 |
| .940 | 0.0740 | 0.0568 | 0.0171 |
| .858 | -.0056 | -.0141 | 0.0084 |
| .775 | -.0718 | -.0647 | -.0072 |
| .720 | -.1056 | -.0957 | -.0100 |
| .652 | -.1242 | -.1368 | 0.0127 |
| .550 | -.1609 | -.2092 | 0.0483 |
| .427 | -.1886 | -.2317 | 0.0431 |
| .302 | -.2062 | -.2113 | 0.0051 |
| .228 | -.2066 | -.1595 | -.0470 |
| .151 | -.1695 | -.1614 | -.0081 |
| .060 | -.0762 | -.2895 | 0.2133 |
| .012 | 0.2981 | -.4602 | 0.7583 |

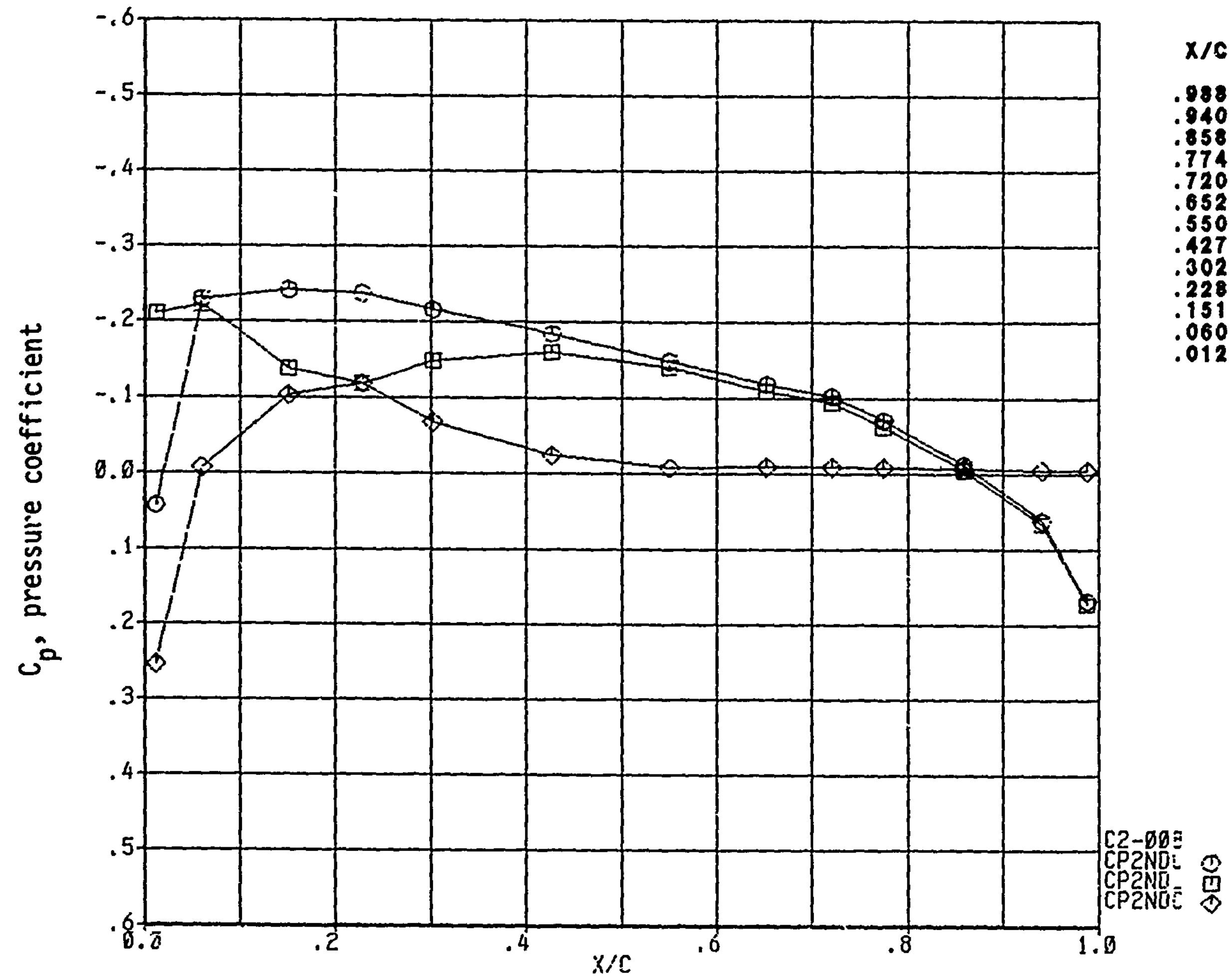
Figure 565, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1716 | 0.1705 | 0.0010 |
| .940 | 0.0646 | 0.0635 | 0.0012 |
| .858 | -.0079 | -.0082 | 0.0003 |
| .774 | -.0663 | -.0653 | -.0011 |
| .720 | -.0979 | -.0969 | -.0010 |
| .652 | -.1132 | -.1125 | -.0007 |
| .550 | -.1423 | -.1439 | 0.0016 |
| .427 | -.1770 | -.1648 | -.0122 |
| .302 | -.2062 | -.1547 | -.0515 |
| .228 | -.2242 | -.1278 | -.0963 |
| .151 | -.2164 | -.1601 | -.0562 |
| .060 | -.1698 | -.2815 | 0.1116 |
| .012 | 0.1711 | -.3678 | 0.5388 |

Figure 566, Chordwise Pressure Distribution, Steady, Configuration 7

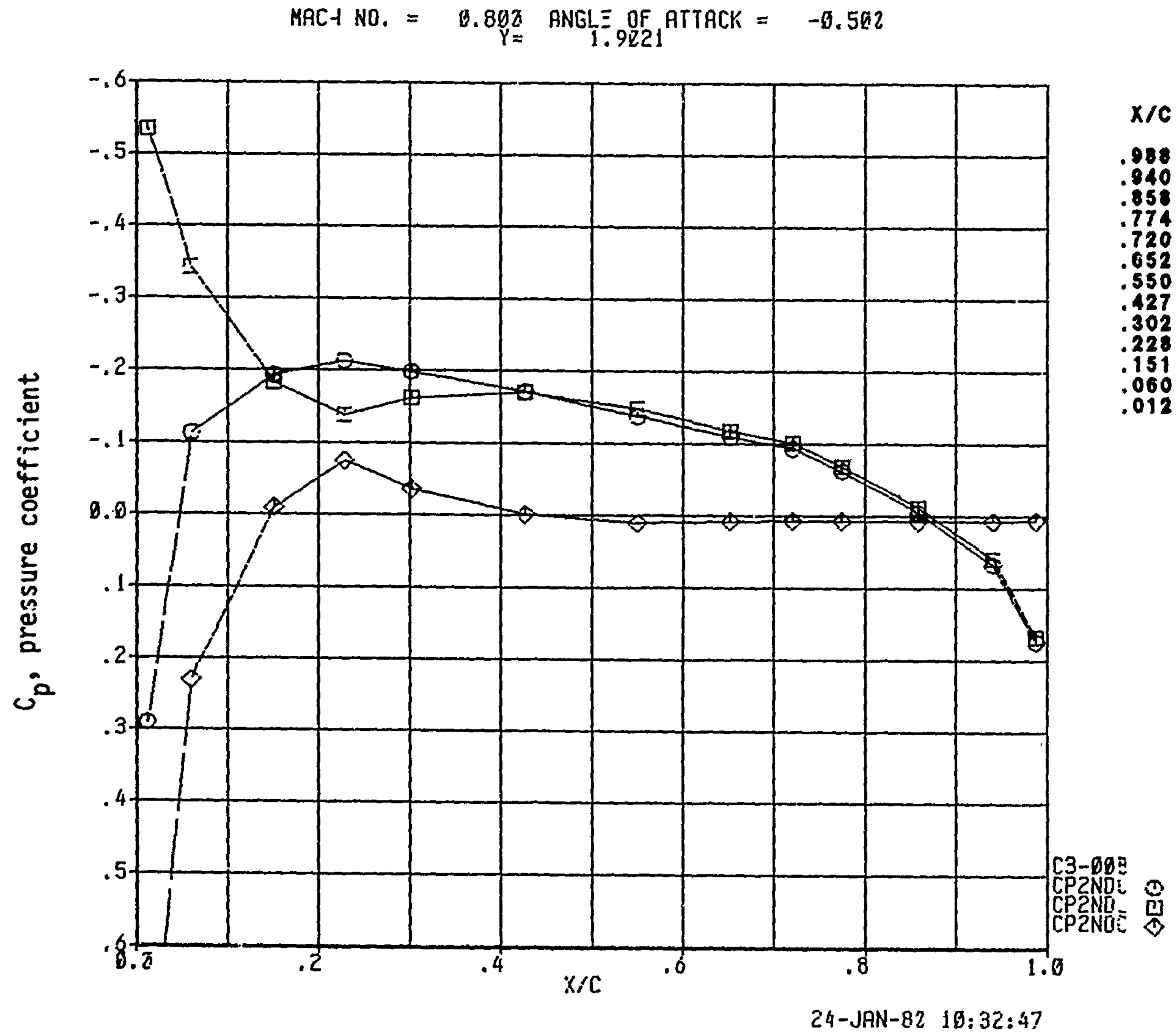
MACH NO. = 0.800 ANGLE OF ATTACK = 0.502
Y= 1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1683 | 0.1727 | -.0044 |
| .940 | 0.0609 | 0.0659 | -.0050 |
| .858 | -.0122 | -.0053 | -.0069 |
| .774 | -.0709 | -.0621 | -.0088 |
| .720 | -.1027 | -.0937 | -.0091 |
| .652 | -.1182 | -.1093 | -.0089 |
| .550 | -.1478 | -.1402 | -.0076 |
| .427 | -.1839 | -.1602 | -.0237 |
| .302 | -.2156 | -.1480 | -.0675 |
| .228 | -.2365 | -.1185 | -.1181 |
| .151 | -.2409 | -.1381 | -.1029 |
| .060 | -.2289 | -.2219 | -.0070 |
| .012 | 0.0428 | -.2107 | 0.2535 |

24-JAN-82 10:32:11

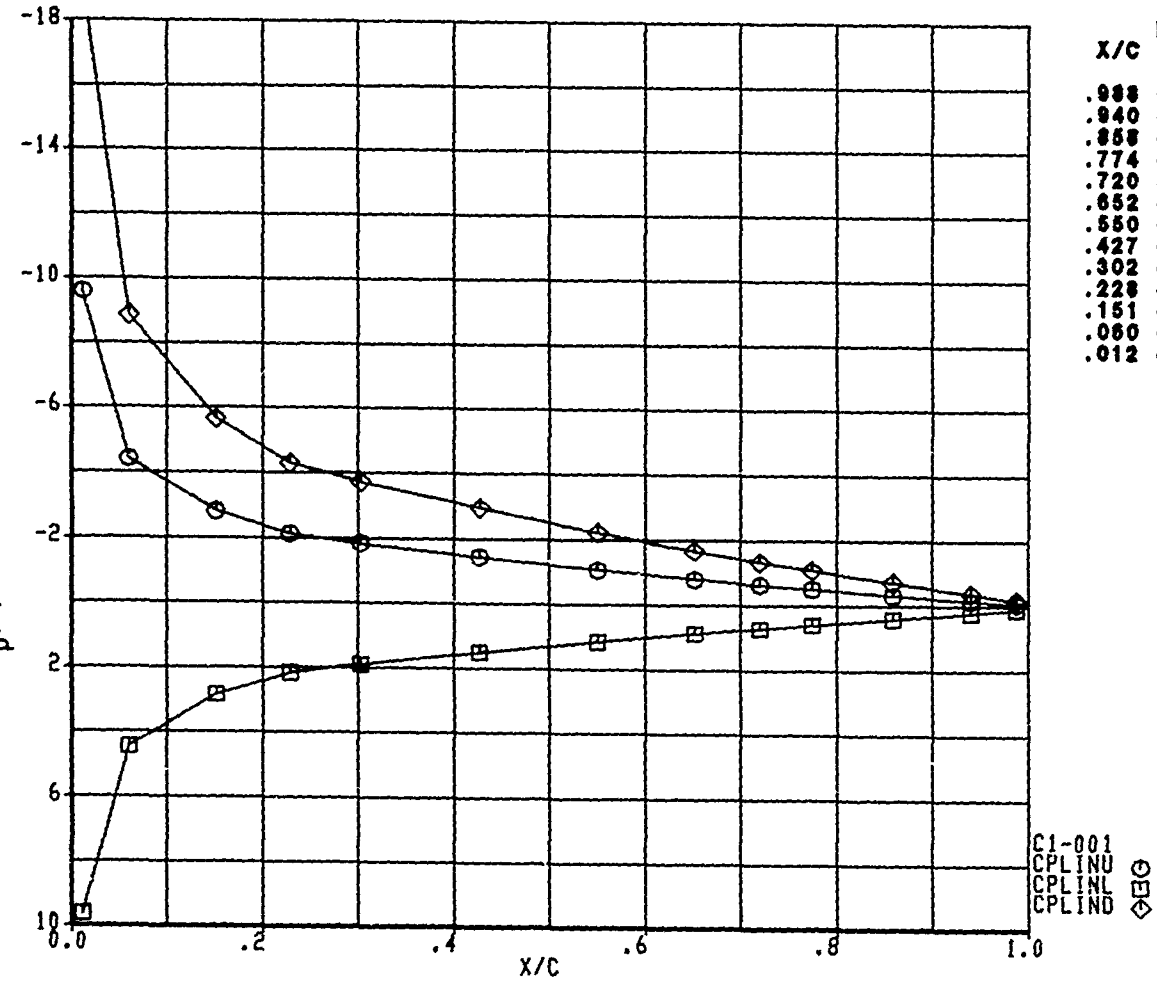
Figure 567, Chordwise Pressure Distribution, Steady, Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | 0.1740 | 0.1676 | 0.0063 |
| .940 | 0.0673 | 0.0602 | 0.0071 |
| .858 | -.0046 | -.0117 | 0.0071 |
| .774 | -.0625 | -.0691 | 0.0065 |
| .720 | -.0939 | -.1008 | 0.0068 |
| .652 | -.1091 | -.1165 | 0.0074 |
| .550 | -.1376 | -.1481 | 0.0106 |
| .427 | -.1709 | -.1701 | -.0008 |
| .302 | -.1976 | -.1620 | -.0356 |
| .228 | -.2127 | -.1378 | -.0748 |
| .151 | -.1925 | -.1828 | -.0097 |
| .060 | -.1126 | -.3426 | 0.2300 |
| .012 | 0.2899 | -.5338 | 0.8237 |

Figure 568, Chordwise Pressure Distribution, Steady, Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.3524

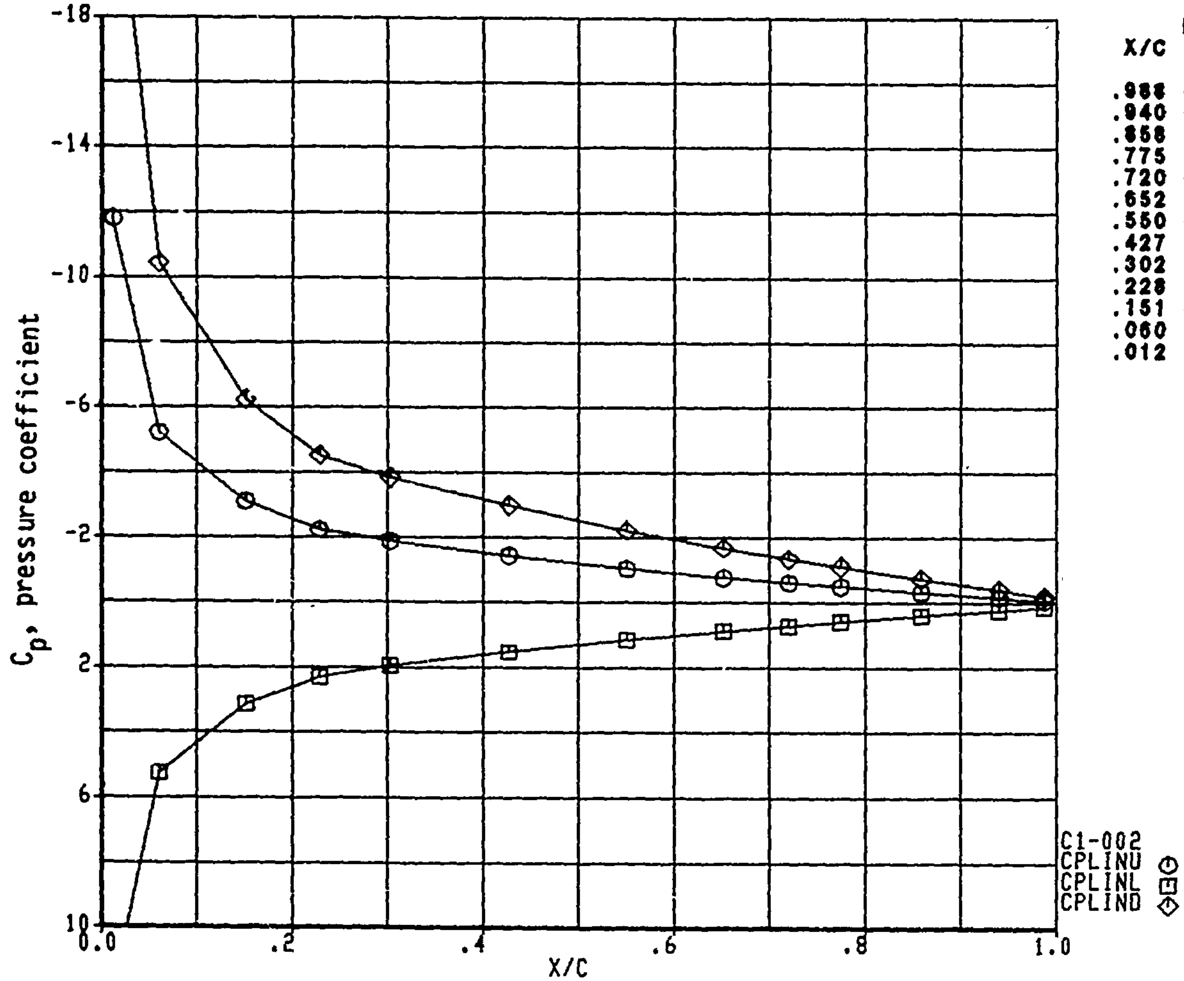



| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.0591 | 0.1140 | -.1729 |
| .940 | -.1595 | 0.2190 | -.3785 |
| .858 | -.3258 | 0.3931 | -.7188 |
| .774 | -.5098 | 0.5839 | -1.094 |
| .720 | -.6323 | 0.7098 | -1.342 |
| .652 | -.7941 | 0.8742 | -1.668 |
| .550 | -1.067 | 1.1465 | -2.213 |
| .427 | -1.436 | 1.5090 | -2.945 |
| .302 | -1.831 | 1.8919 | -3.723 |
| .228 | -2.115 | 2.1671 | -4.282 |
| .151 | -2.806 | 2.8496 | -5.655 |
| .060 | -4.405 | 4.4402 | -8.846 |
| .012 | -9.578 | 9.6085 | -19.19 |

13-JAN-81 15:57:20

Figure . Chordwis Pressure Distr ... Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.6853

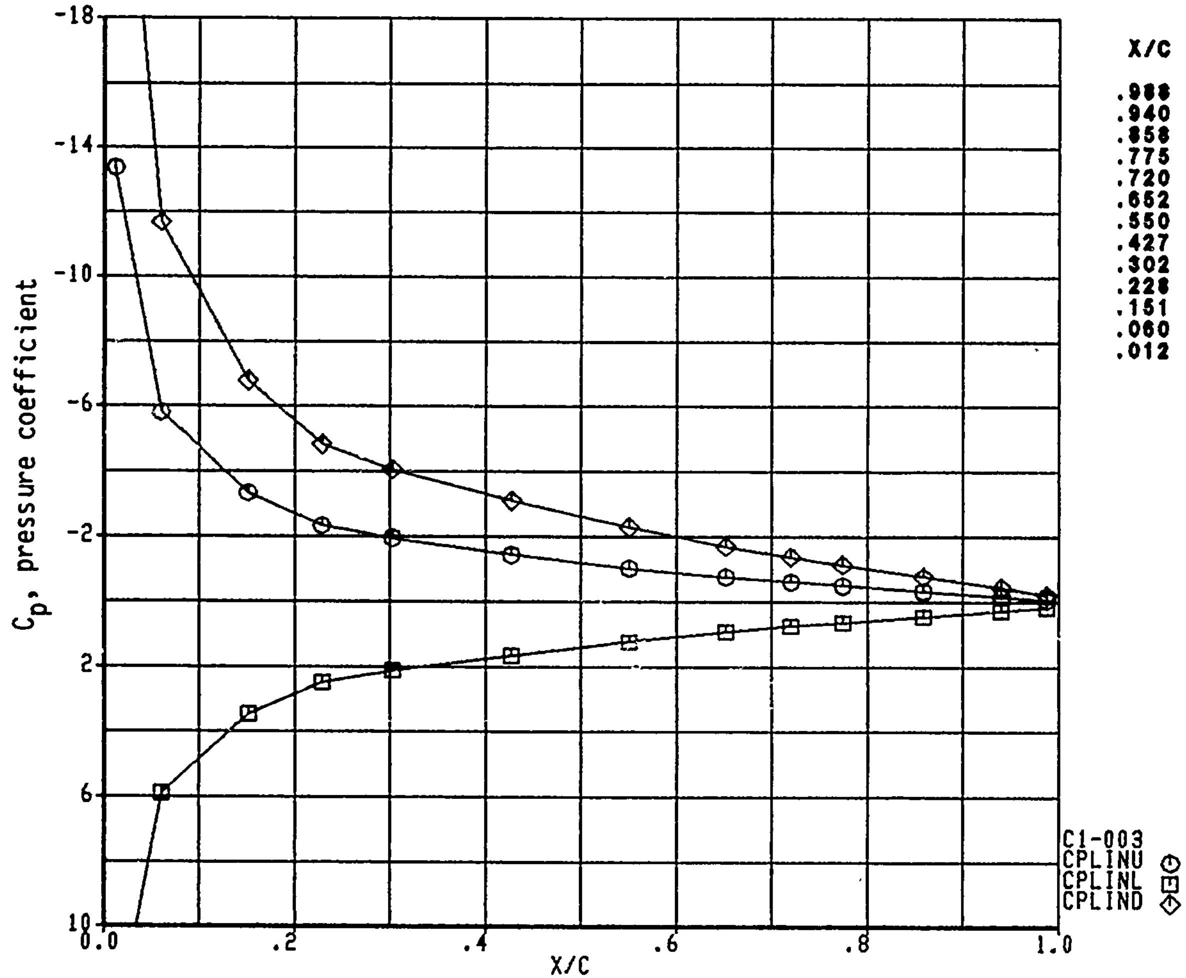



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0613 | 0.1271 | -.1884 |
| .940 | -.1658 | 0.2386 | -.4044 |
| .858 | -.3281 | 0.4131 | -.7412 |
| .775 | -.5022 | 0.5992 | -1.101 |
| .720 | -.6188 | 0.7228 | -1.342 |
| .652 | -.7756 | 0.8868 | -1.662 |
| .550 | -1.045 | 1.1620 | -2.207 |
| .427 | -1.429 | 1.5401 | -2.969 |
| .302 | -1.871 | 1.9627 | -3.834 |
| .228 | -2.216 | 2.2941 | -4.510 |
| .151 | -3.080 | 3.1436 | -6.224 |
| .060 | -5.197 | 5.2450 | -10.44 |
| .012 | -11.80 | 11.843 | -23.64 |

13-JAN-81 15:59:23

Figure 570, Chordwise Pressure Distribution, Real Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.9968

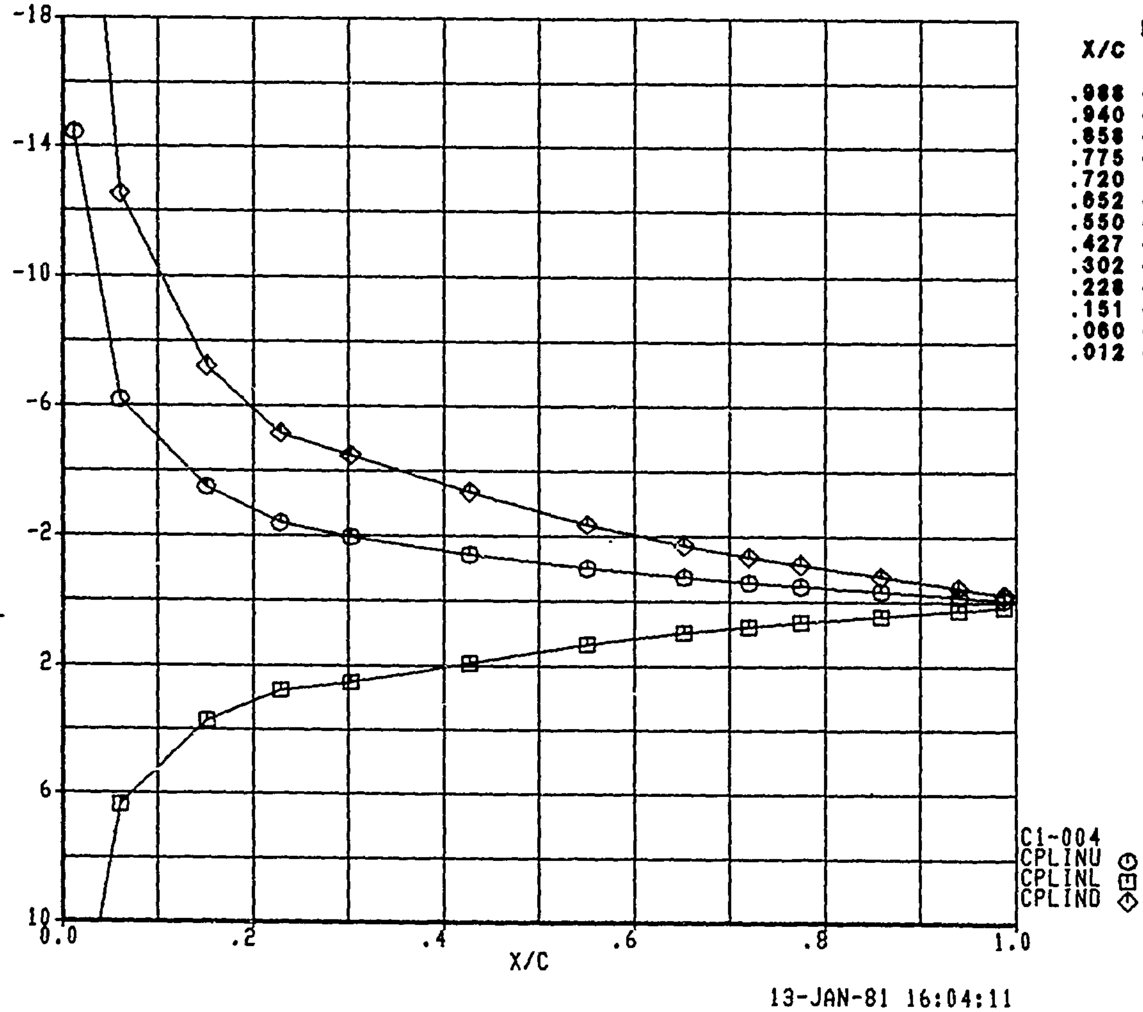



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0615 | 0.1456 | -.2071 |
| .940 | -.1694 | 0.2649 | -.4344 |
| .858 | -.3273 | 0.4437 | -.7711 |
| .775 | -.4962 | 0.6348 | -1.131 |
| .720 | -.6115 | 0.7653 | -1.377 |
| .652 | -.7647 | 0.9389 | -1.704 |
| .550 | -1.035 | 1.2401 | -2.275 |
| .427 | -1.443 | 1.6645 | -3.108 |
| .302 | -1.934 | 2.1199 | -4.054 |
| .228 | -2.328 | 2.4795 | -4.808 |
| .151 | -3.330 | 3.4474 | -6.778 |
| .060 | -5.806 | 5.8896 | -11.70 |
| .012 | -13.39 | 13.461 | -26.85 |

13-JAN-81 16:03:39

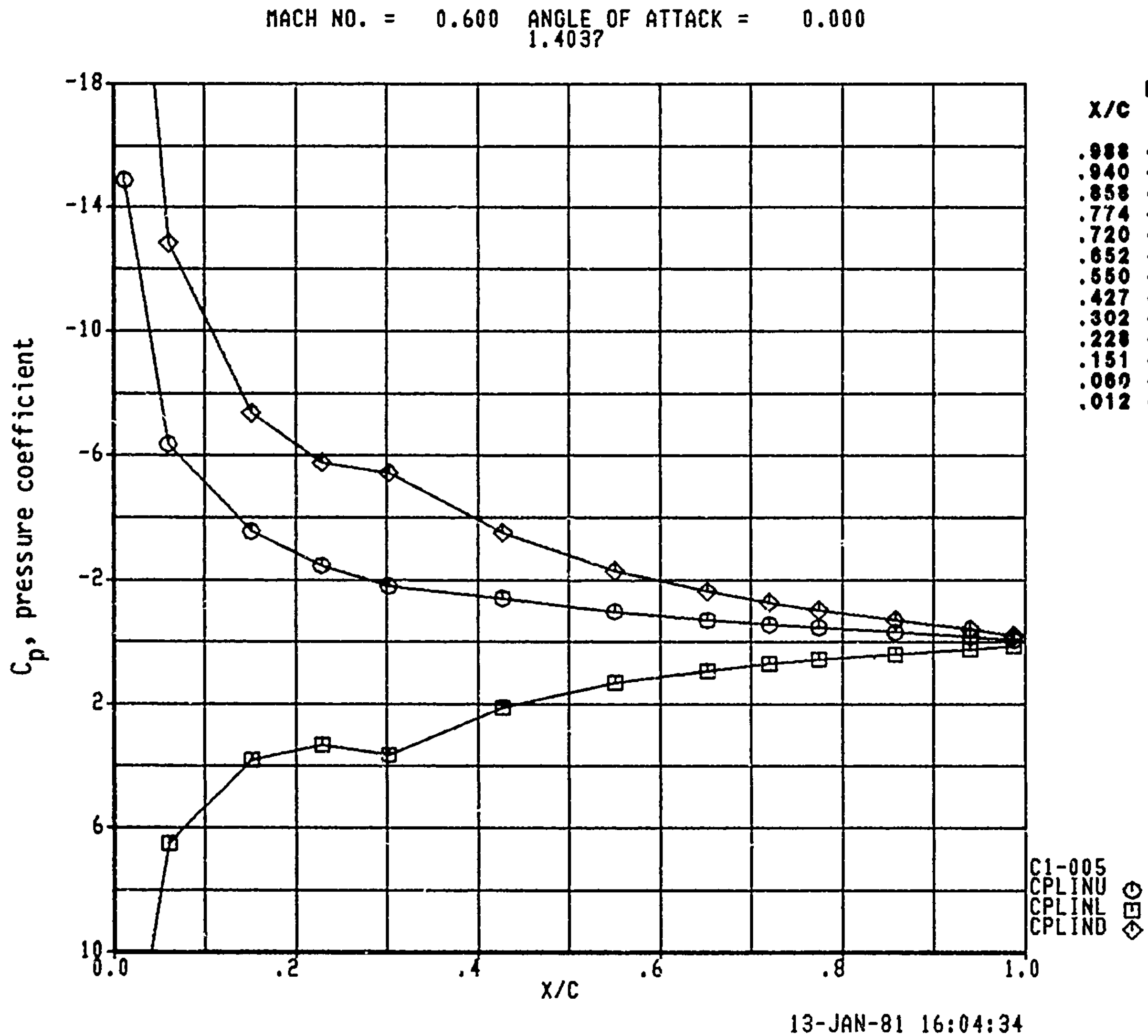
Figure 571, Chordwise Pressure Distribution, Real Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.2479




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0625 | 0.1537 | -.2162 |
| .940 | -.1689 | 0.2731 | -.4420 |
| .858 | -.3180 | 0.4476 | -.7655 |
| .775 | -.4789 | 0.6414 | -1.120 |
| .720 | -.5920 | 0.7816 | -1.374 |
| .652 | -.7424 | 0.9739 | -1.716 |
| .550 | -1.009 | 1.3341 | -2.343 |
| .427 | -1.422 | 1.9283 | -3.351 |
| .302 | -1.967 | 2.5195 | -4.486 |
| .228 | -2.380 | 2.7731 | -5.153 |
| .151 | -3.477 | 3.7229 | -7.200 |
| .060 | -6.195 | 6.3444 | -12.54 |
| .012 | -14.45 | 14.569 | -29.02 |

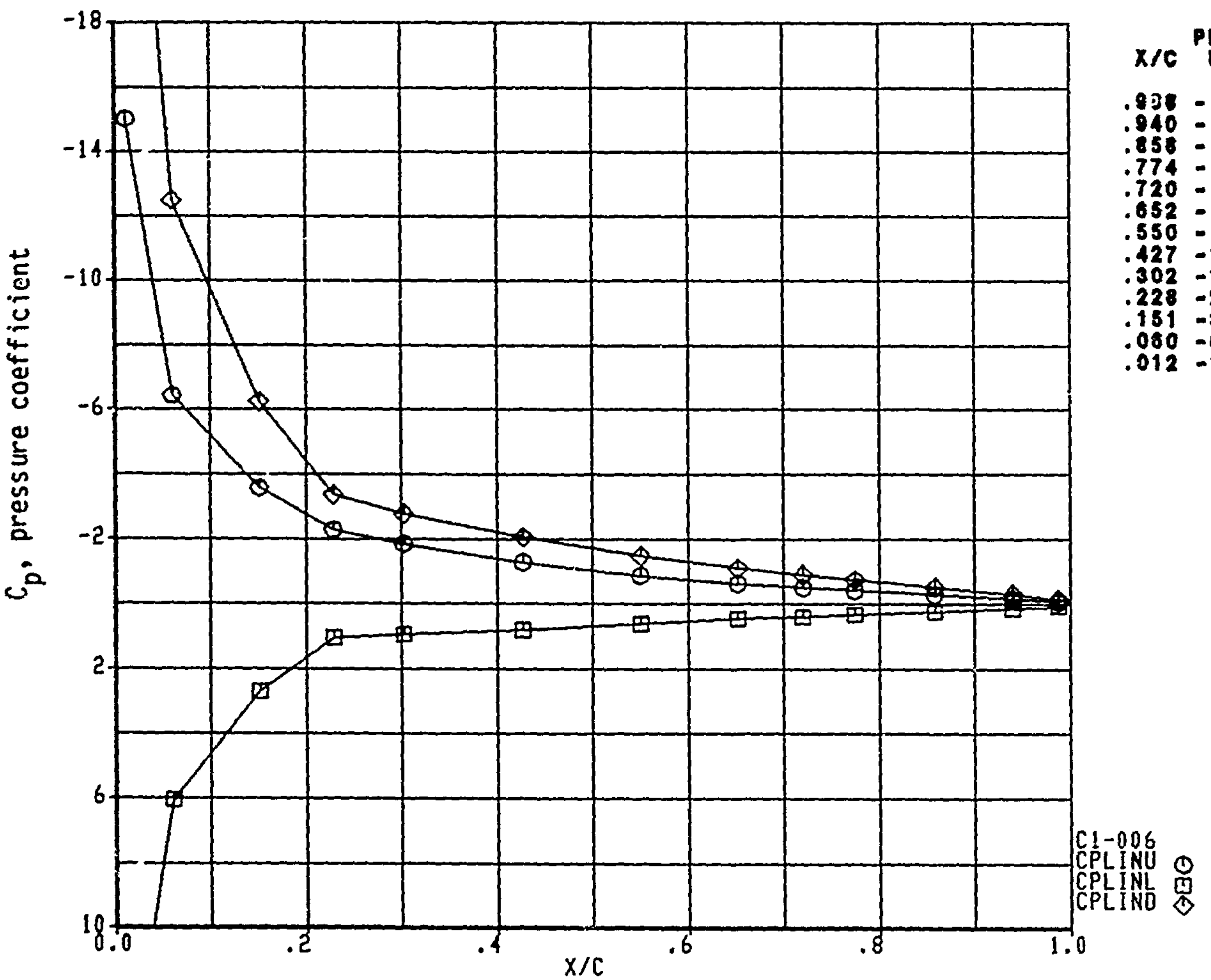
Figure 572, Chordwise Pressure Distribution, Real Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0656 | 0.1326 | -.1982 |
| .940 | -.1668 | 0.2388 | -.4056 |
| .858 | -.3096 | 0.3928 | -.7024 |
| .774 | -.4600 | 0.5634 | -1.023 |
| .720 | -.5629 | 0.6979 | -1.261 |
| .652 | -.7047 | 0.9225 | -1.627 |
| .550 | -.9731 | 1.3105 | -2.284 |
| .427 | -1.407 | 2.1122 | -3.520 |
| .302 | -1.798 | 3.6491 | -5.447 |
| .228 | -2.441 | 3.3224 | -5.763 |
| .151 | -3.553 | 3.8153 | -7.368 |
| .060 | -6.359 | 6.4870 | -12.85 |
| .012 | -14.89 | 14.991 | -29.88 |

Figure 573, Chordwise Pressure Distribution, Real Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.5906

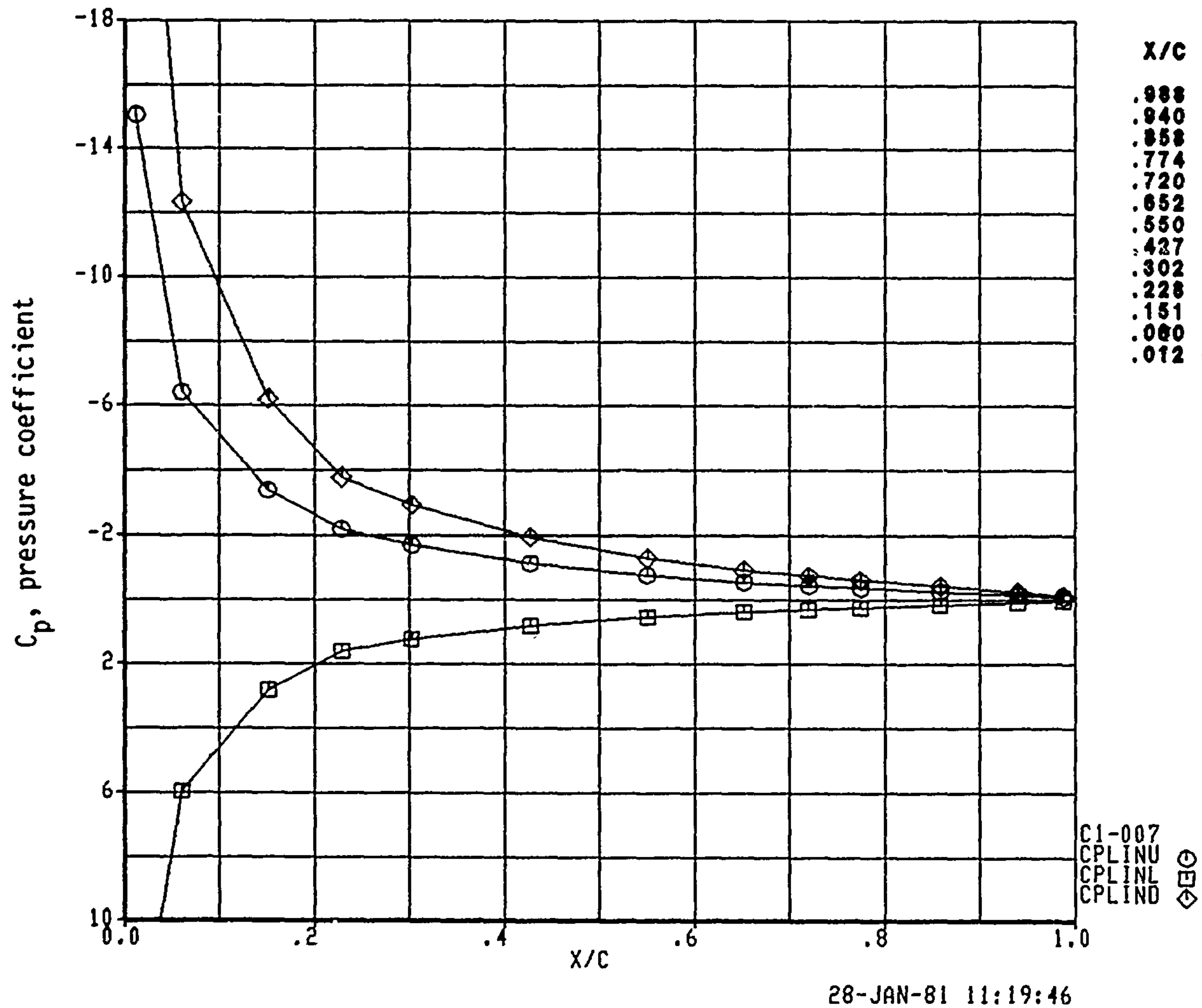



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0799 | 0.0653 | -.1452 |
| .940 | -.1640 | 0.1366 | -.3006 |
| .858 | -.2882 | 0.2542 | -.5224 |
| .774 | -.4155 | 0.3306 | -.7462 |
| .720 | -.5031 | 0.3910 | -.8940 |
| .652 | -.6285 | 0.4632 | -1.092 |
| .550 | -.8706 | 0.6101 | -1.481 |
| .427 | -1.262 | 0.7994 | -2.061 |
| .302 | -1.828 | 0.9302 | -2.758 |
| .228 | -2.275 | 1.0601 | -3.335 |
| .151 | -3.554 | 2.6893 | -6.244 |
| .060 | -6.430 | 6.0618 | -12.49 |
| .012 | -15.02 | 14.786 | -29.81 |

28-JAN-81 11:19:04

Figure 574, Chordwise Pressure Distribution, Real Configuration 7

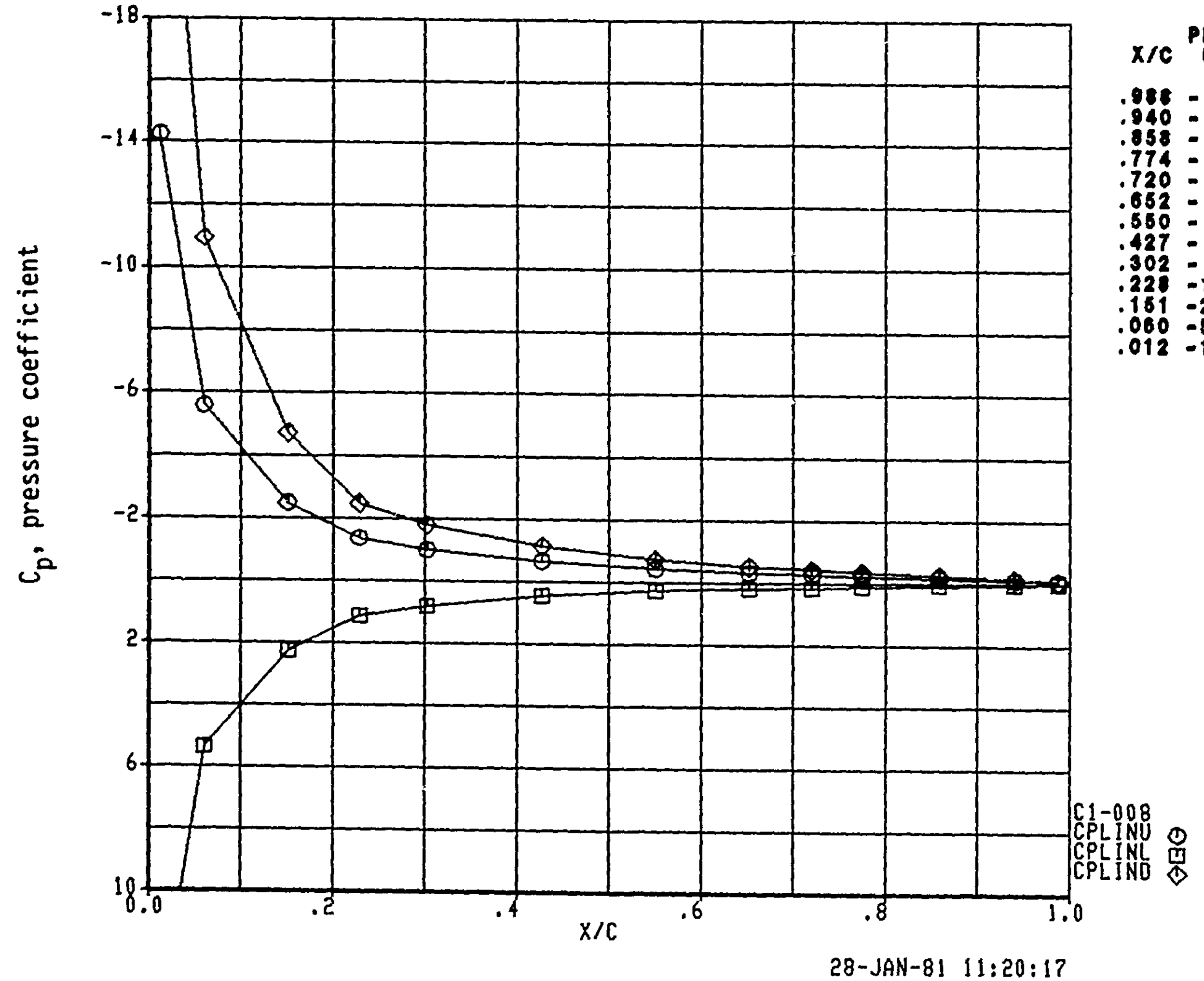
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.7035




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0853 | 0.0301 | -.1154 |
| .940 | -.1550 | 0.0862 | -.2413 |
| .858 | -.2577 | 0.1630 | -.4207 |
| .774 | -.3650 | 0.2423 | -.6073 |
| .720 | -.4421 | 0.2998 | -.7419 |
| .652 | -.5467 | 0.3759 | -.9226 |
| .550 | -.7571 | 0.5351 | -1.292 |
| .427 | -1.125 | 0.8099 | -1.935 |
| .302 | -1.694 | 1.2283 | -2.922 |
| .228 | -2.168 | 1.6061 | -3.774 |
| .151 | -3.380 | 2.8254 | -6.206 |
| .060 | -6.400 | 5.9585 | -12.36 |
| .012 | -15.07 | 14.692 | -29.76 |

Figure 575, Chordwise Pressure Distribution, Real Configuration 7

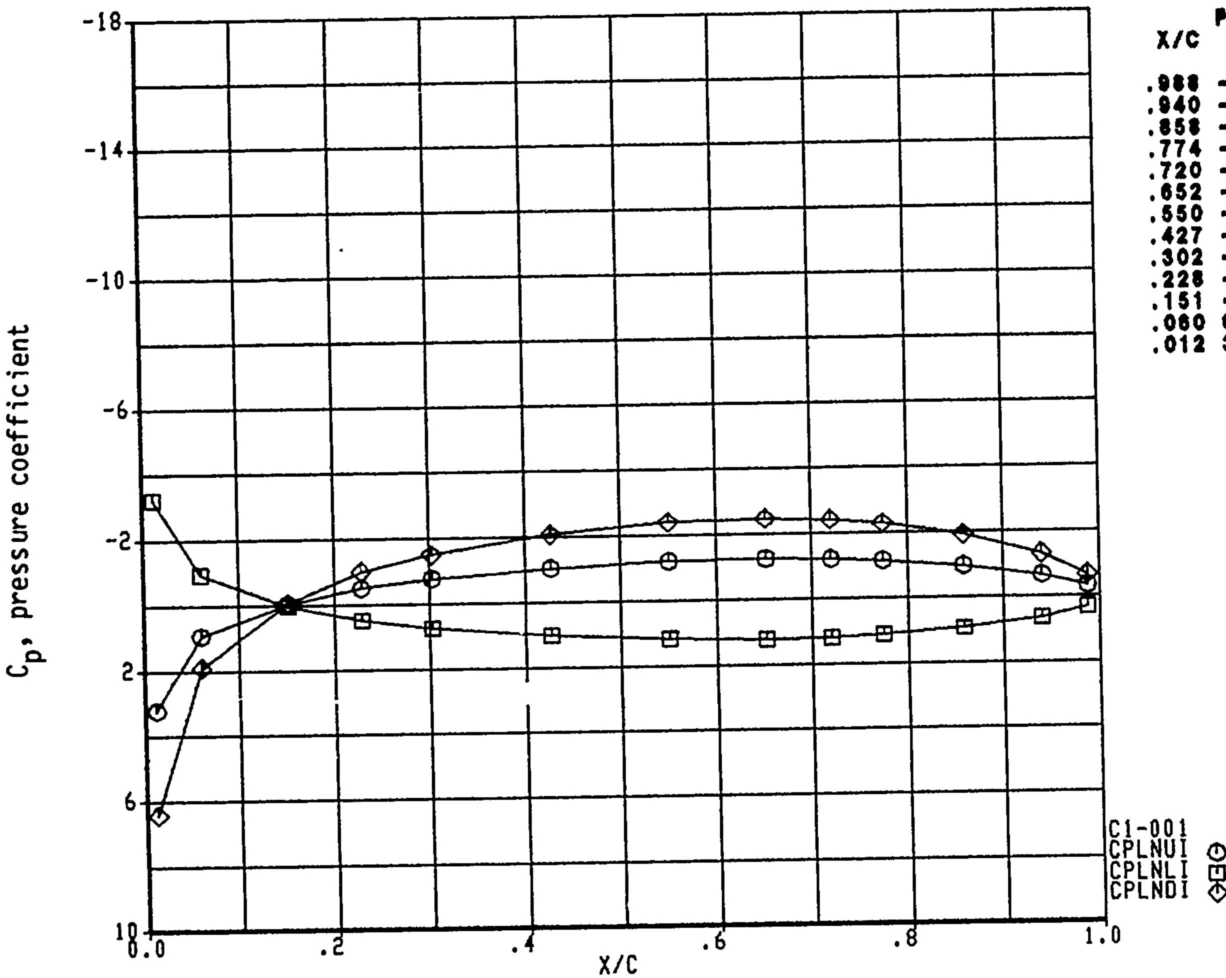
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.0741 | -.0007 | -.0735 |
| .940 | -.1140 | 0.0311 | -.1451 |
| .858 | -.1685 | 0.071 | -.2397 |
| .774 | -.2271 | 0.1151 | -.3422 |
| .720 | -.2713 | 0.1498 | -.4212 |
| .652 | -.3207 | 0.1872 | -.5079 |
| .550 | -.4316 | 0.2796 | -.7113 |
| .427 | -.6486 | 0.4722 | -1.121 |
| .302 | -.9936 | 0.7905 | -1.784 |
| .228 | -1.346 | 1.1274 | -2.474 |
| .151 | -2.476 | 2.2439 | -4.720 |
| .060 | -5.588 | 5.3487 | -10.94 |
| .012 | -14.27 | 14.031 | -28.30 |

Figure 576, Chordwise Pressure Distribution, Real Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.3524

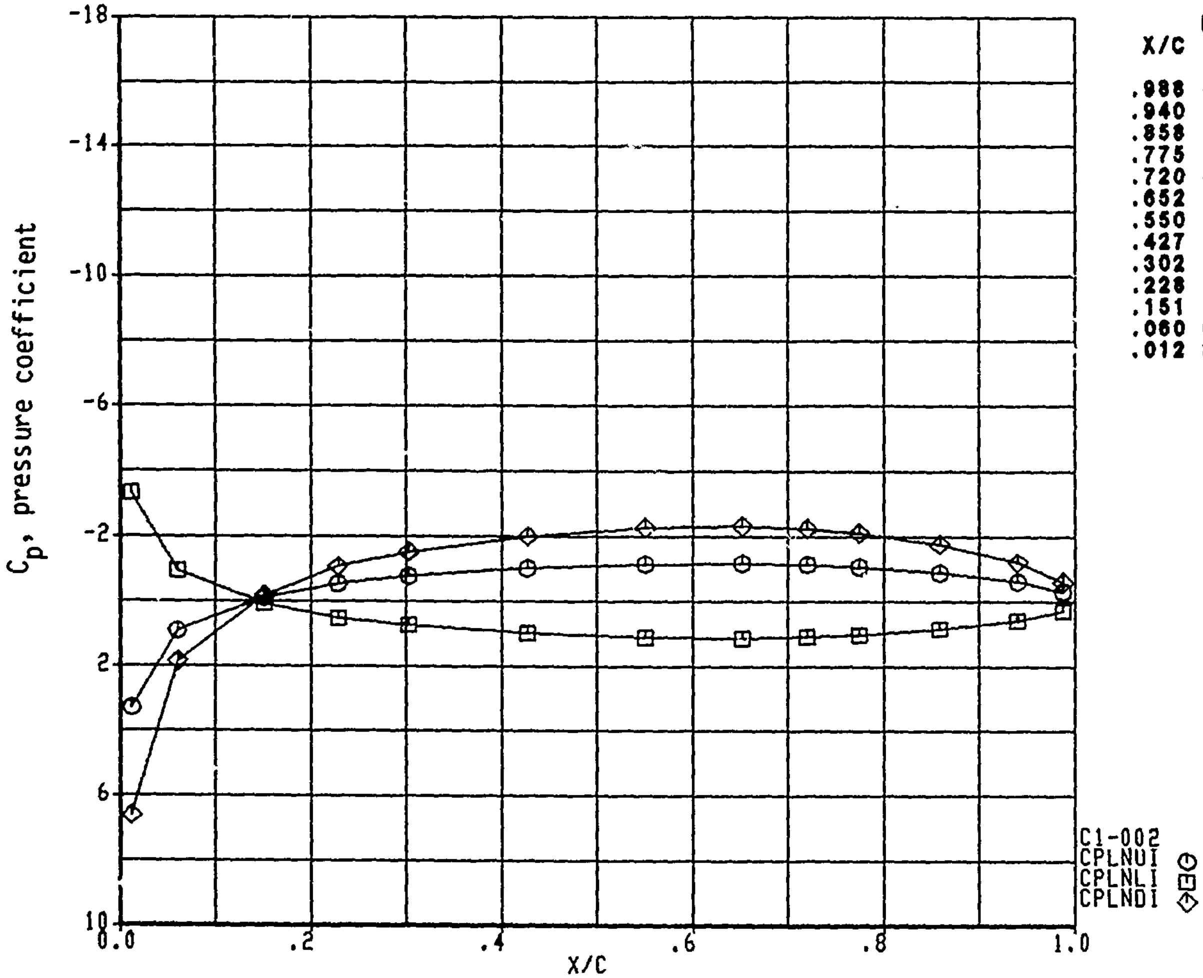



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.3257 | 0.3236 | -.6492 |
| .940 | -.6489 | 0.6459 | -1.295 |
| .858 | -.9496 | 0.9450 | -1.895 |
| .774 | -1.136 | 1.1292 | -2.265 |
| .720 | -1.200 | 1.1926 | -2.393 |
| .652 | -1.230 | 1.2206 | -2.450 |
| .550 | -1.193 | 1.1818 | -2.375 |
| .427 | -1.034 | 1.0204 | -2.054 |
| .302 | -.7535 | 0.7391 | -1.493 |
| .228 | -.5020 | 0.4877 | -.9897 |
| .151 | -.0382 | 0.0245 | -.0627 |
| .060 | 0.9405 | -.9533 | 1.8938 |
| .012 | 3.1999 | -3.212 | 6.4121 |

13-JAN-81 16:08:26

Figure 577, Chordwise Pressure Distribution, Imaginary Configuration 7

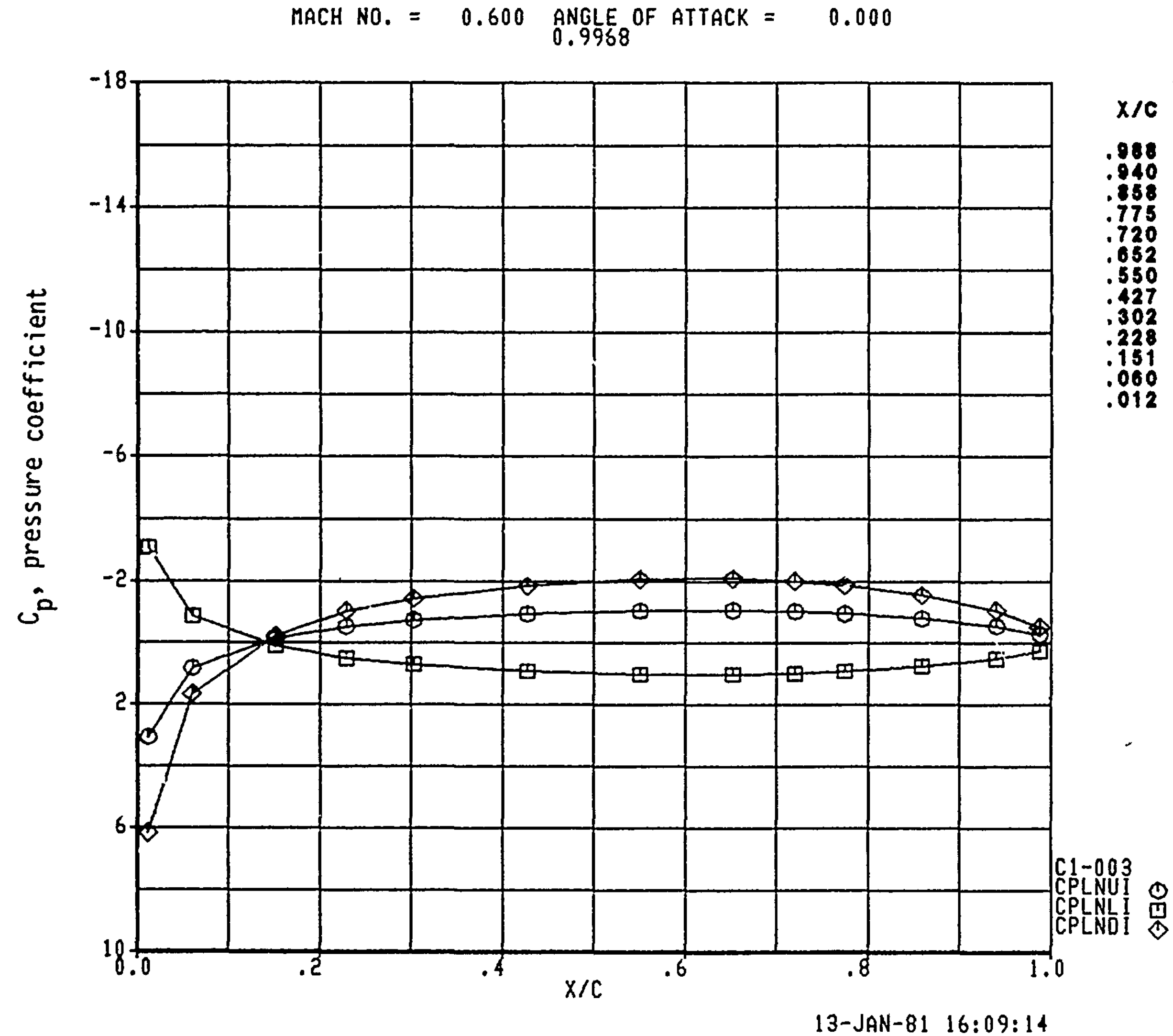
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
0.6853




| | PRESSURE COEFFICIENT | | |
|---|---|---|---|
| X/C | UPPER | LOWER | DIFF |
| .988 | -.3021 | 0.2943 | -.5965 |
| .940 | -.6019 | 0.5928 | -1.195 |
| .858 | -.8813 | 0.8703 | -1.752 |
| .775 | -1.056 | 1.0440 | -2.100 |
| .720 | -1.121 | 1.1078 | -2.229 |
| .652 | -1.156 | 1.1418 | -2.298 |
| .550 | -1.136 | 1.1205 | -2.257 |
| .427 | -1.010 | 0.9915 | -2.001 |
| .302 | -.7679 | 0.7492 | -1.517 |
| .228 | -.5393 | 0.5211 | -1.060 |
| .151 | -.0953 | 0.0783 | -.1736 |
| .060 | 0.9153 | -.9307 | 1.8459 |
| .012 | 3.2978 | -3.312 | 6.6100 |

13-JAN-81 16:08:50

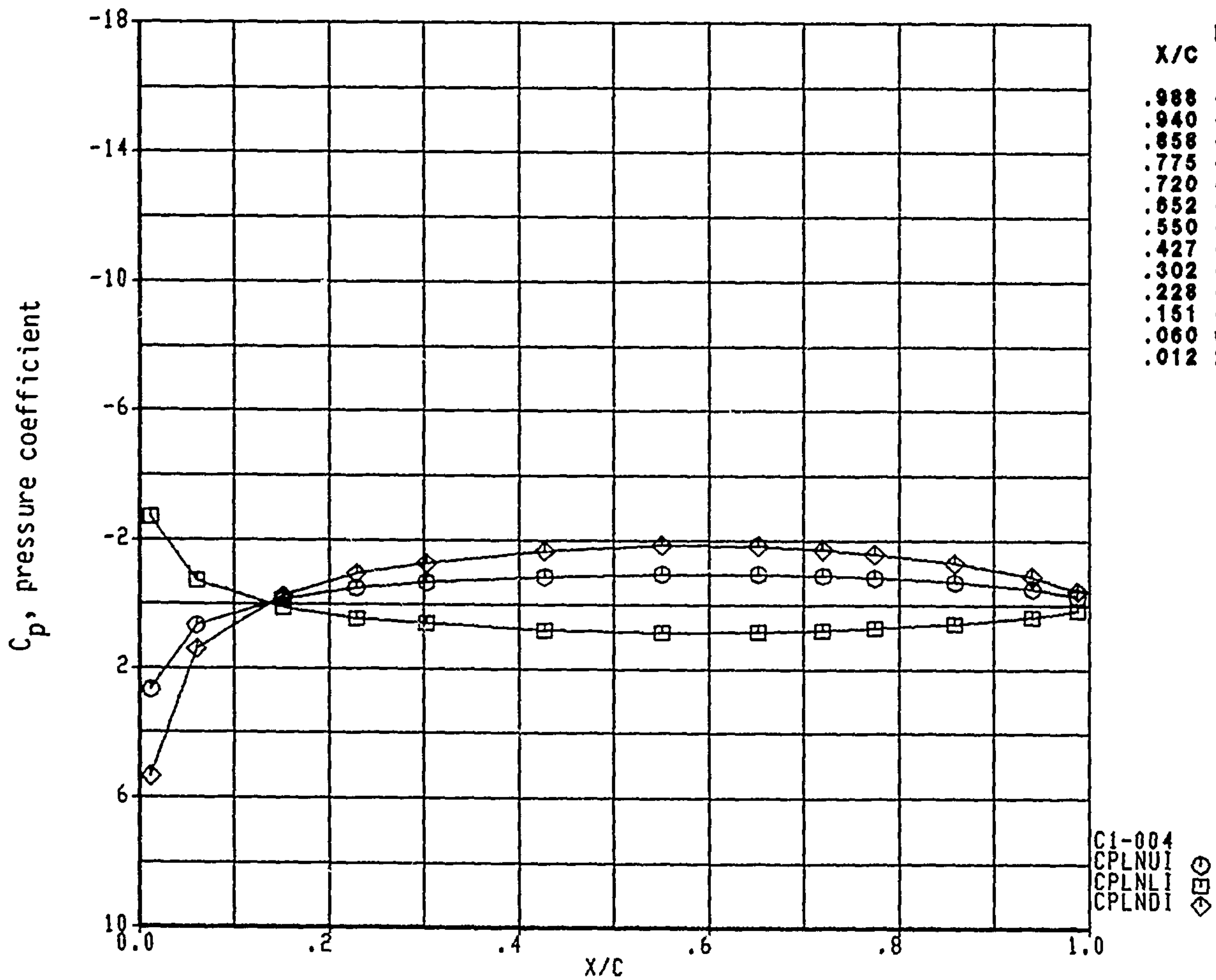
Figure 578, Chordwise Pressure Distribution, Imaginary Configuration 7




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2772 | 0.2494 | -.5265 |
| .940 | -.5437 | 0.5117 | -1.055 |
| .858 | -.7930 | 0.7562 | -1.549 |
| .775 | -.9538 | 0.9169 | -1.871 |
| .720 | -1.017 | 0.9819 | -1.998 |
| .652 | -1.052 | 1.0213 | -2.073 |
| .550 | -1.043 | 1.0143 | -2.057 |
| .427 | -.9402 | 0.9082 | -1.848 |
| .302 | -.7322 | 0.6995 | -1.432 |
| .228 | -.5280 | 0.4979 | -1.026 |
| .151 | -.1226 | 0.0958 | -.2185 |
| .060 | 0.8287 | -.8517 | 1.6804 |
| .012 | 3.0710 | -3.092 | 6.1631 |

Figure 579, Chordwise Pressure Distribution, Imaginary Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.2479

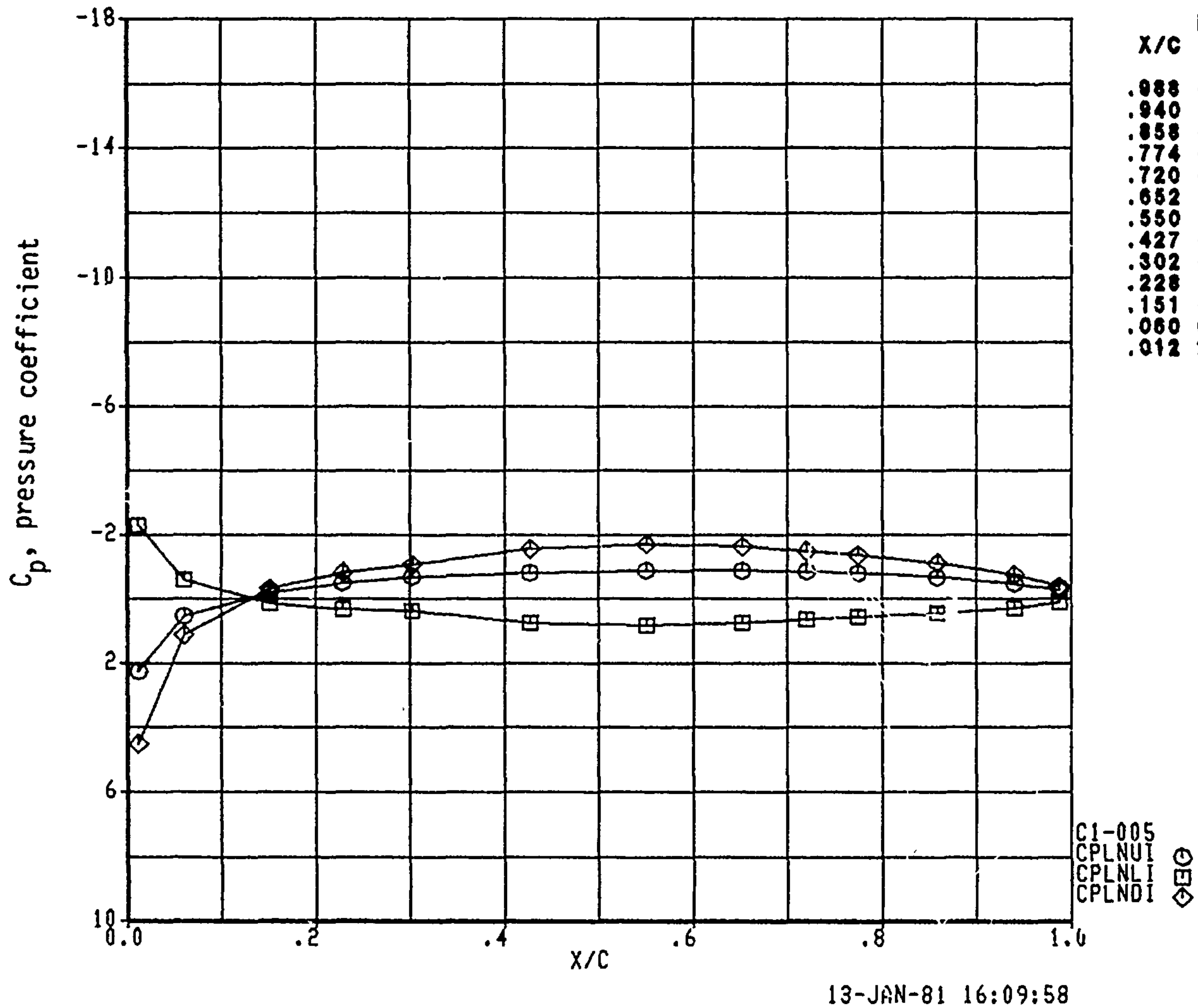



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2645 | 0.1761 | -.4406 |
| .940 | -.4944 | 0.3887 | -.8831 |
| .858 | -.7152 | 0.5865 | -1.302 |
| .775 | -.8562 | 0.7290 | -1.585 |
| .720 | -.9118 | 0.8026 | -1.714 |
| .652 | -.9468 | 0.8683 | -1.815 |
| .550 | -.9430 | 0.8952 | -1.838 |
| .427 | -.8625 | 0.8014 | -1.664 |
| .302 | -.6862 | 0.5966 | -1.283 |
| .228 | -.5146 | 0.4415 | -.9562 |
| .151 | -.1601 | 0.1078 | -.2679 |
| .060 | 0.6816 | -.7201 | 1.4017 |
| .012 | 2.6617 | -2.696 | 5.3575 |

13-JAN-81 16:09:36

Figure 580, Chordwise Pressure Distribution, Imaginary Configuration 7

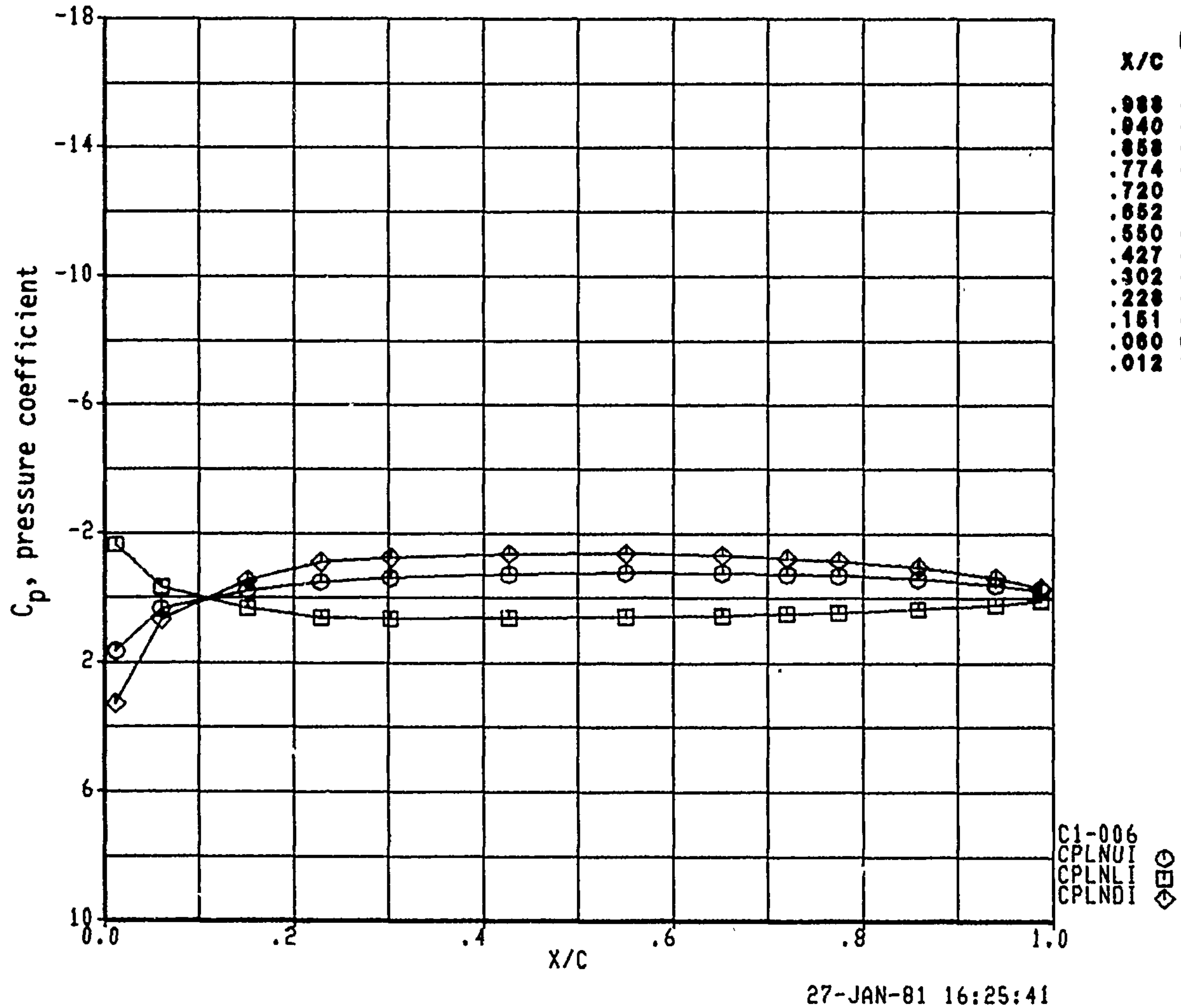
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.4037




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2593 | 0.1139 | -.3732 |
| .940 | -.4619 | 0.2872 | -.7491 |
| .858 | -.6630 | 0.4456 | -1.109 |
| .774 | -.7896 | 0.5676 | -1.357 |
| .720 | -.8364 | 0.6466 | -1.483 |
| .652 | -.8717 | 0.7560 | -1.628 |
| .550 | -.8707 | 0.8280 | -1.699 |
| .427 | -.8023 | 0.7448 | -1.547 |
| .302 | -.6817 | 0.3863 | -1.068 |
| .228 | -.4931 | 0.3202 | -.8133 |
| .151 | -.1872 | 0.1219 | -.3091 |
| .060 | 0.5402 | -.5824 | 1.1226 |
| .012 | 2.2416 | -2.279 | 4.5207 |

Figure 581, Cho-dwise Pressure Distribution, Imaginary Configuration 7

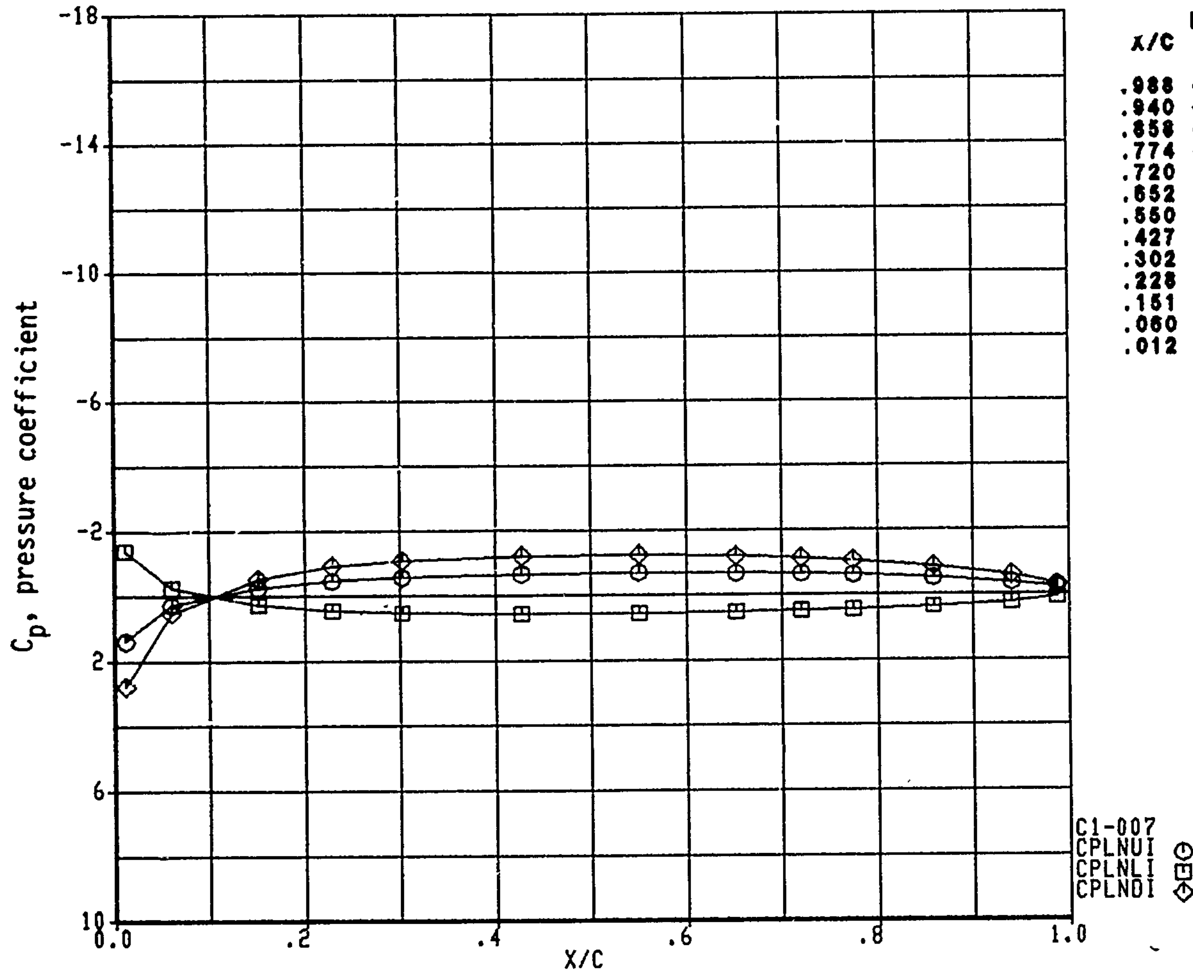
MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.5906




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2371 | 0.0771 | -.3142 |
| .940 | -.4091 | 0.2223 | -.6314 |
| .858 | -.5790 | 0.3537 | -.9326 |
| .774 | -.6857 | 0.4461 | -1.132 |
| .720 | -.7258 | 0.4936 | -1.219 |
| .652 | -.7583 | 0.5453 | -1.304 |
| .550 | -.7674 | 0.5975 | -1.365 |
| .427 | -.7248 | 0.6225 | -1.347 |
| .302 | -.6084 | 0.6257 | -1.234 |
| .228 | -.4898 | 0.6070 | -1.097 |
| .151 | -.2234 | 0.3195 | -.5429 |
| .060 | 0.3513 | -.3246 | 0.6760 |
| .012 | 1.6435 | -1.637 | 3.2806 |

Figure 582, Chordwise Pressure Distribution, Imaginary Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.7035

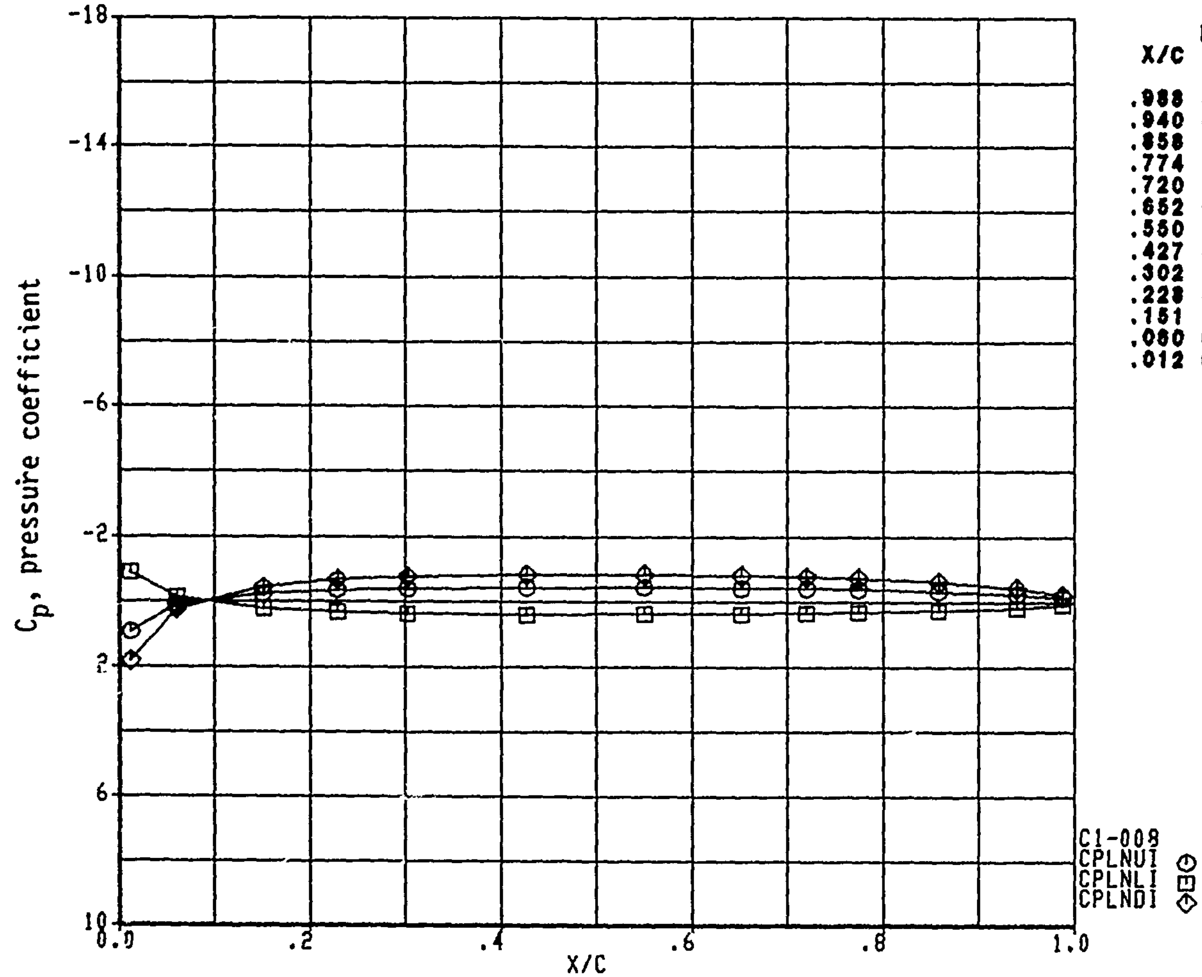



| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.2033 | 0.0864 | -.2896 |
| .940 | -.3601 | 0.2297 | -.5898 |
| .858 | -.5095 | 0.3606 | -.8700 |
| .774 | -.6031 | 0.4461 | -1.049 |
| .720 | -.6392 | 0.4846 | -1.124 |
| .652 | -.6676 | 0.5224 | -1.190 |
| .550 | -.6820 | 0.5602 | -1.242 |
| .427 | -.6530 | 0.5685 | -1.221 |
| .302 | -.5575 | 0.5242 | -1.082 |
| .228 | -.4577 | 0.4604 | -.9180 |
| .151 | -.2428 | 0.2661 | -.5090 |
| .060 | 0.2722 | -.2483 | 0.5205 |
| .012 | 1.3987 | -1.379 | 2.7779 |

27-JAN-81 16:26:09

Figure 583, Chordwise Pressure Distribution, Imaginary Configuration 7

MACH NO. = 0.600 ANGLE OF ATTACK = 0.000
1.9021




| X/C | PRESSURE COEFFICIENT UPPER | LOWER | DIFF |
|---|---|---|---|
| .988 | -.1364 | 0.0777 | -.2142 |
| .940 | -.2431 | 0.1816 | -.4247 |
| .858 | -.3387 | 0.2736 | -.6123 |
| .774 | -.3958 | 0.3290 | -.7248 |
| .720 | -.4173 | 0.3506 | -.7679 |
| .652 | -.4343 | 0.3690 | -.8032 |
| .550 | -.4479 | 0.3875 | -.8354 |
| .427 | -.4422 | 0.3911 | -.8333 |
| .302 | -.4049 | 0.3662 | -.7712 |
| .228 | -.3570 | 0.3264 | -.6833 |
| .151 | -.2373 | 0.2153 | -.4526 |
| .060 | 0.1106 | -.1232 | 0.2339 |
| .012 | 0.9091 | -.9175 | 1.8266 |

27-JAN-81 16:26:36

Figure 584, Chordwise Pressure Distribution, Imaginary Configuration 7



☆U.S.Government Printing Office: 1981 — 757-002/499